nulock

STORE FRONTS

Bulock

STORE FRONTS

nulock

STORE FRONTS

BINSWANGER & CO.
INCORPORATED

RICHMOND - MEMPHIS - HOUSTON - MIAMI

CATALOG C

Printed in U. S. A.

nulock

STORE FRONTS

IN SOLID
BRONZE - COPPER
AND
NICKLE SILVER
PLAIN *or* ORNAMENTAL

SHOW CASE DOORS
TRANSOM AND WINDOW VENTILATORS
THRESHOLDS [FILLED AND EXTRUDED]
PUSH PLATES - KICK PLATES
GRILLS [STAMPED AND CAST BRONZE]
HOLLOW METAL AND EXTRUDED MOULDS

ILLUSTRATIONS OF ORNAMENTS AND ORNAMENTAL
FRONTS WILL BE FOUND ON PAGES 10-11-12-13-20-21 & 22

IT IS an adage of business that "Goods well displayed are half sold." The American business man, to a greater degree than ever, realizes the truth of this adage and is making notable progress in the artistry of display.

Nulock Automatic Screw Control Store Fronts

A new departure in Store Front Construction whereby the metal pressure upon the glass is automatically fixed.

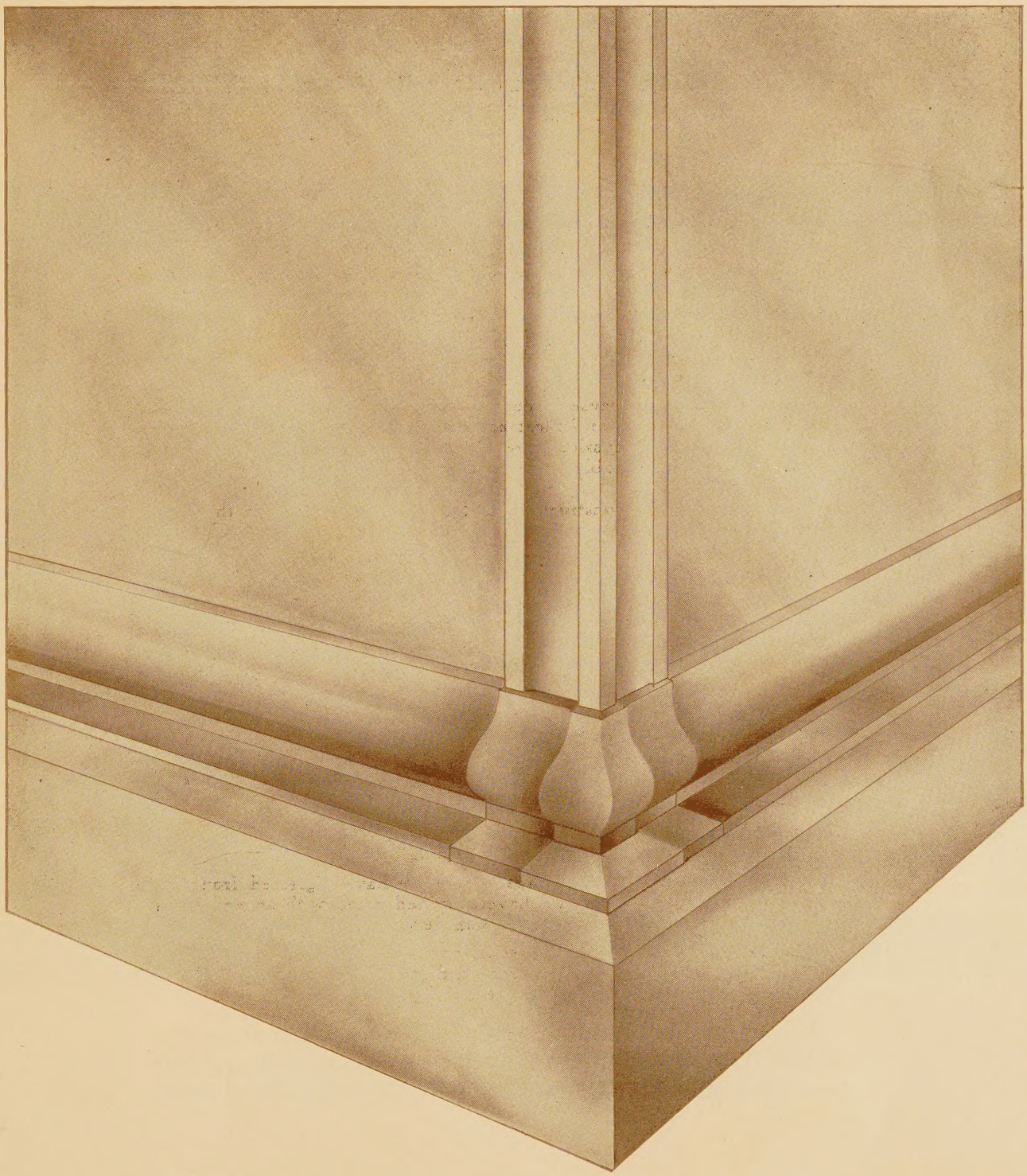
The amount of pressure is not left to guesswork as is the customary procedure, but is absolutely uniform at the point of contact, throughout the entire member.

The novice can do a thorough job of fitting as well as the expert, and results in every case must be the same.

The grip on the glass is firm enough to take care of vibration, yet elastic enough to allow for expansion and contraction.

A new combination of ideas that renders efficency, permits quick and easy installation, yet assures absolute safety.

THE NEW AND SAFE WAY



Corner Elevation Showing Architectural Lines of Nulock Construction.

SAFETY, ECONOMY, EFFICIENCY AND ARCHITECTURAL BEAUTY IN NULOCK STORE FRONT CONSTRUCTION

From details given on following pages it will be noted that in keeping with the times, Nulock Store Front Construction presents an advanced step over anything heretofore produced.

We claim safety for reason of the Automatic Screw Control. This is a new departure in fastening members, where the virtues of the screw are retained, while its vices are eliminated. There is an average of 32 screws used in setting every plate of glass, and with old style construction each screw is a hazard. Nulock Construction releases the Jobber from responsibility and assures safety to the user.

We claim economy because in our factory recently completed we have incorporated only the latest and most efficient machinery. Such equipment enables us to produce a superior store front, one surpassing anything now on the market, at a reasonable price. There is further economy because in Nulock Fronts all unnecessary material has been eliminated, because we produce only one type of construction, and because metal used in this construction is heavy enough to answer every purpose, including SELF SUPPORTING SASH.

We claim efficiency through this one type construction and through our special Corner and Division Bars, where the original bar is used in all construction, and added strength is secured by the simple addition of reinforcing bars. This all means simple installation, and a minimum investment by the Jobber in carrying the necessary stock for his requirements.

Last, but equally important with other merits of Nulock Fronts, is architectural beauty of design. This becomes obvious upon referring to a corner construction shown on the following page.

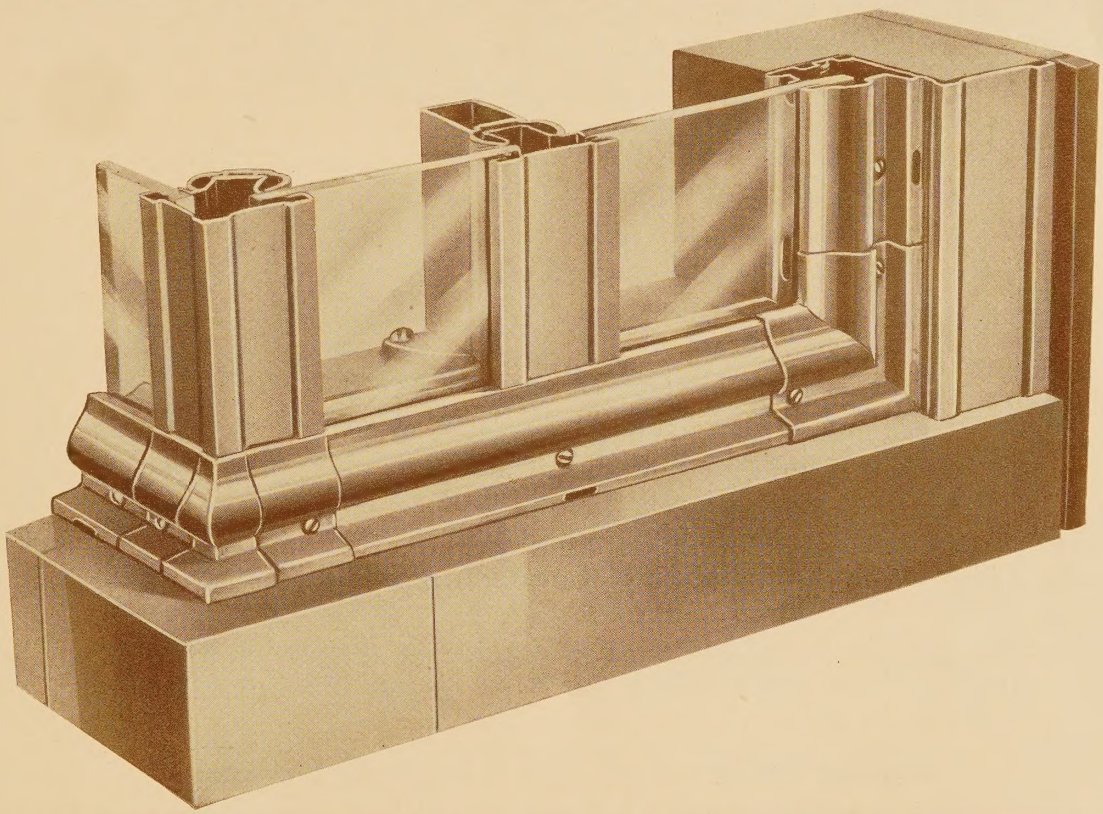
Note the beauty of design shown in our Sash Face. Massive in appearance and higher than ordinarily used, giving sufficient depth of rabbet to care for the largest glass, yet in no way cumbersome.

Note the plain yet ornamental design used in our Bar Face, which represents the long stream lines so suggestive of height.

Note the ornamental Corner Caps, where we have digressed from the plain mitre cap ordinarily used, and have provided a cap with an embossed mitre, forming a more ornamental connection between sash and bar.

When to safety, economy and efficiency can be added architectural beauty, it means perfection in construction, and for this reason Nulock Fronts will merit the consideration of the Architect and Jobber.

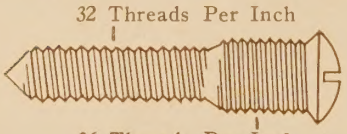
The various features of Automatic Screw Control as applied to Nulock Sash and Bars are fully covered by patents, and this modern construction is produced only by the Sioux Metal Products Company.



AUTOMATIC SCREW CONTROL ON SASH

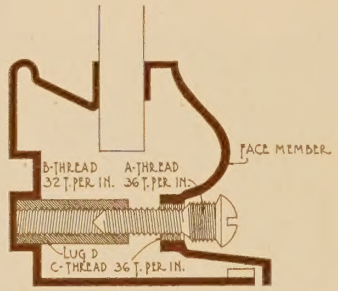
PATENTED

This Automatic Screw Control is one of the salient features of Nulock Store Front Construction. It is simple yet absolutely automatic in action.



The Differential Screw

The shank of the screw is slightly less diameter than the shoulder, and is threaded 32, while the shoulder or thicker portion is threaded 36. A lug threaded 32 is provided in the back member to receive the shank of the screw, while the face member is threaded 36 to receive the shoulder portion. This thread differential automatically applies a pre-determined pressure. It is simply necessary to hold the outer member lightly against the glass, and then drive the screw completely home. When the head of the screw comes closely in contact with the outside member the operation is complete, and the mould has automatically been drawn into position and locked. It always does just that, no more, no less. It is impossible to draw the screw too tight. That is why we call it—AUTOMATIC SCREW CONTROL.



No. 5 Sash with Members in Place Ready for Screw Adjustments

The contact of the metal mould is absolutely uniform throughout its entire length. There is no uneven pressure, no distortion of glass to cause breakage. The pressure provided together with the spring of the metal is just enough to allow for all expansion and contraction. It constantly holds the glass in a firm yet gentle clasp. Gentle enough to care for all vibration, yet firm enough to assure rigidity. It is automatically adjustable to uneven glass, regardless of thickness.

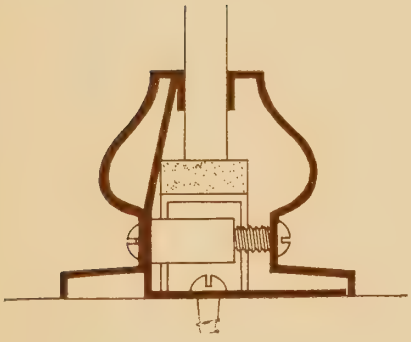
Breakage For Reason of Strain Is Practically Impossible

The process of installation is easy and very simple. With the exception of handling the glass it could well be termed a ONE MAN SETTING.

There is another feature of this screw that is important, and that is that it remains absolutely rigid. Being threaded in the back lug and again in the front member with the head tight against the metal, the screw is firmly locked. It is not subject to loosening from the constant vibration to which all glass is subjected, and which will in time loosen the ordinary screw.

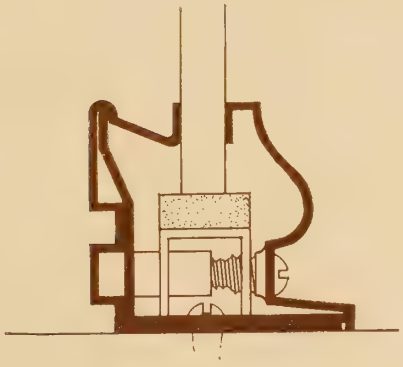
The Automatic Screw Control used in Nulock Construction fills a long felt want. Where a number of screws must be set in one member, even the best mechanic cannot secure uniform pressure. There must be more pressure on one screw than on another, and when uneven pressure is used in connection with glass, it is always objectionable. In Nulock Construction this objection is entirely overcome, and in this feature alone we claim an advance over any store front now on the market.

No. 5 Sash With No. 50 Sill



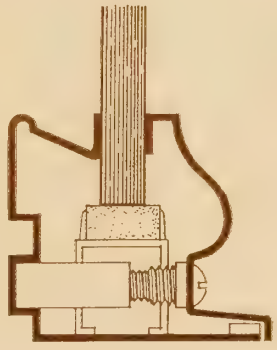
No. 9

Sash is for inside setting or where no ventilation is desired.



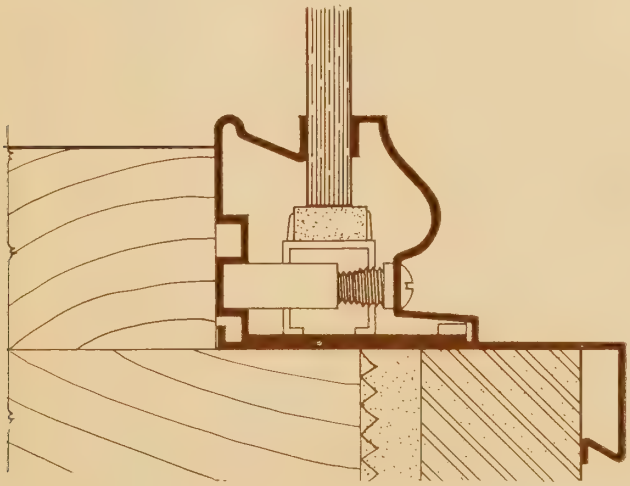
No. 7

Sash, self-supporting, heavily reinforced and used for extremely large lights of plate glass.

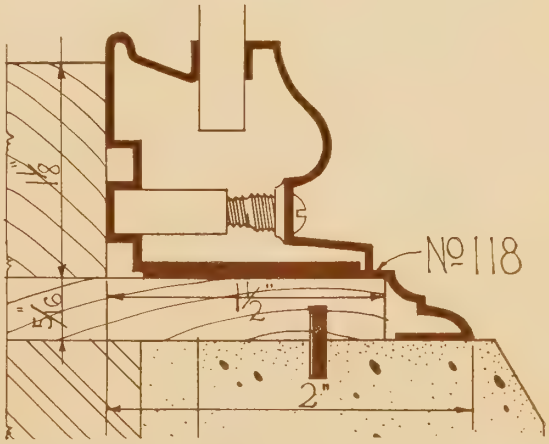


No. 5

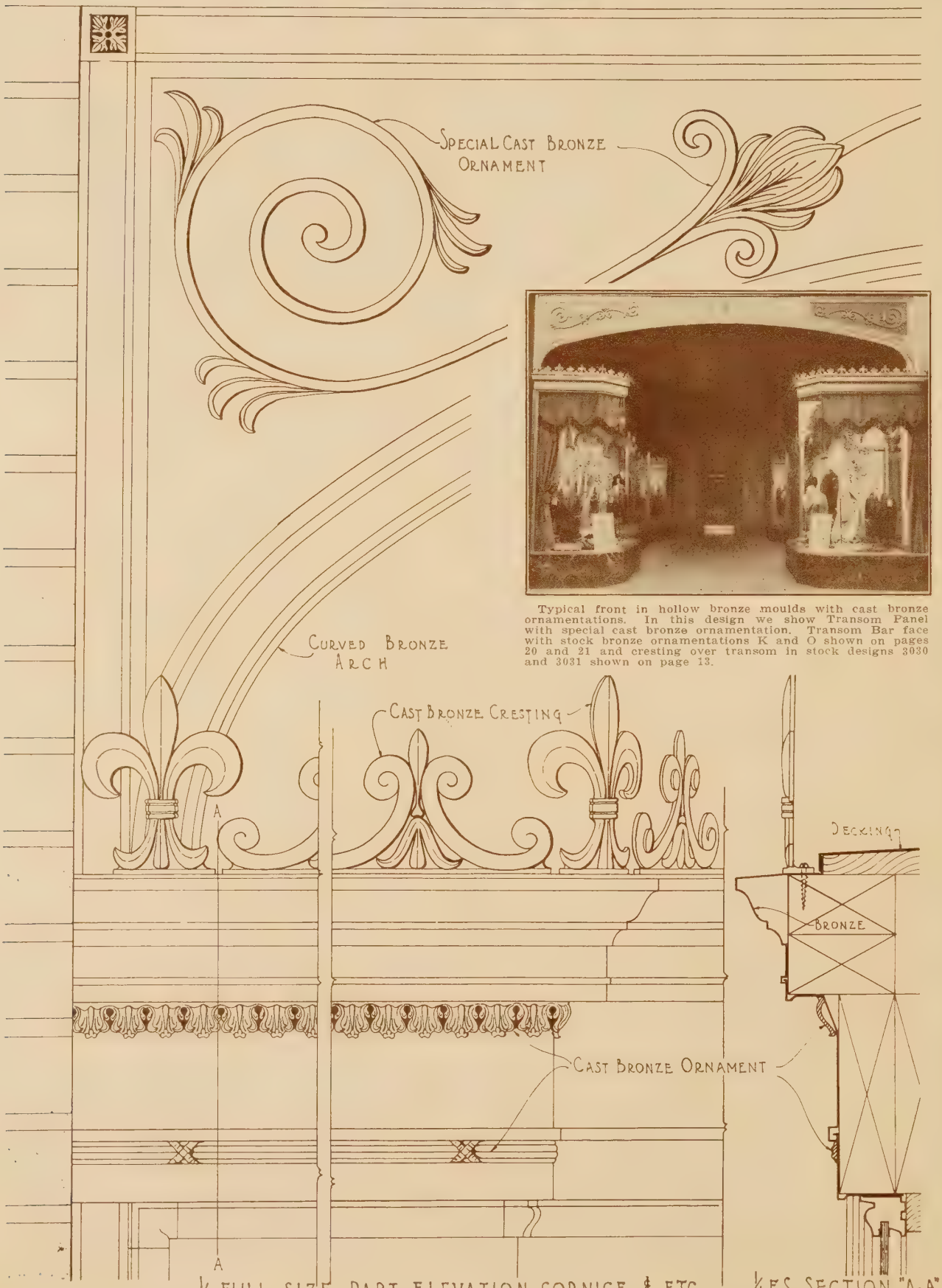
Sash can also be used as self-supporting sash on small store fronts.



No. 5 Sash With No. 60 Sill Cover



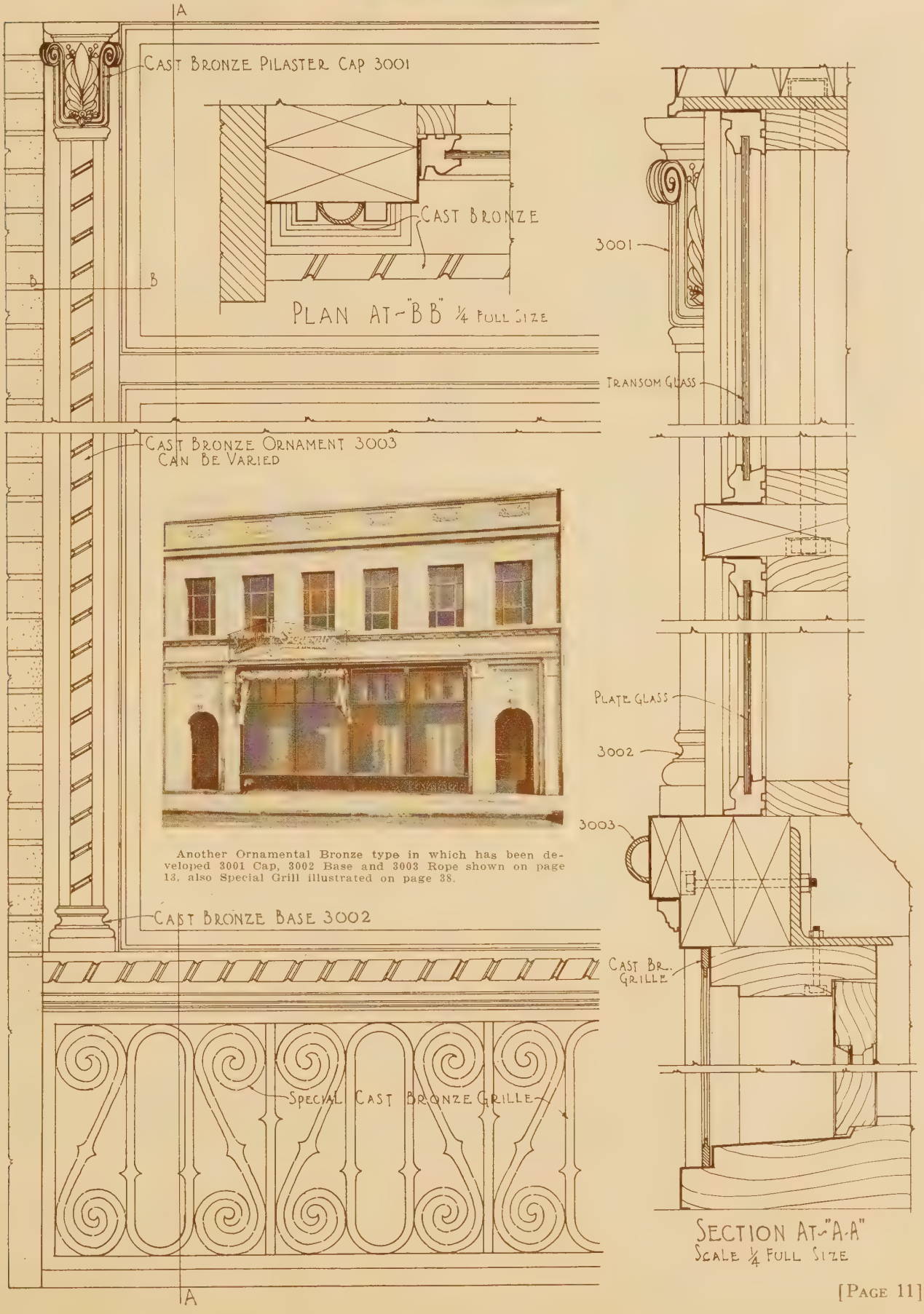
No. 118 Sash and Sill Attached



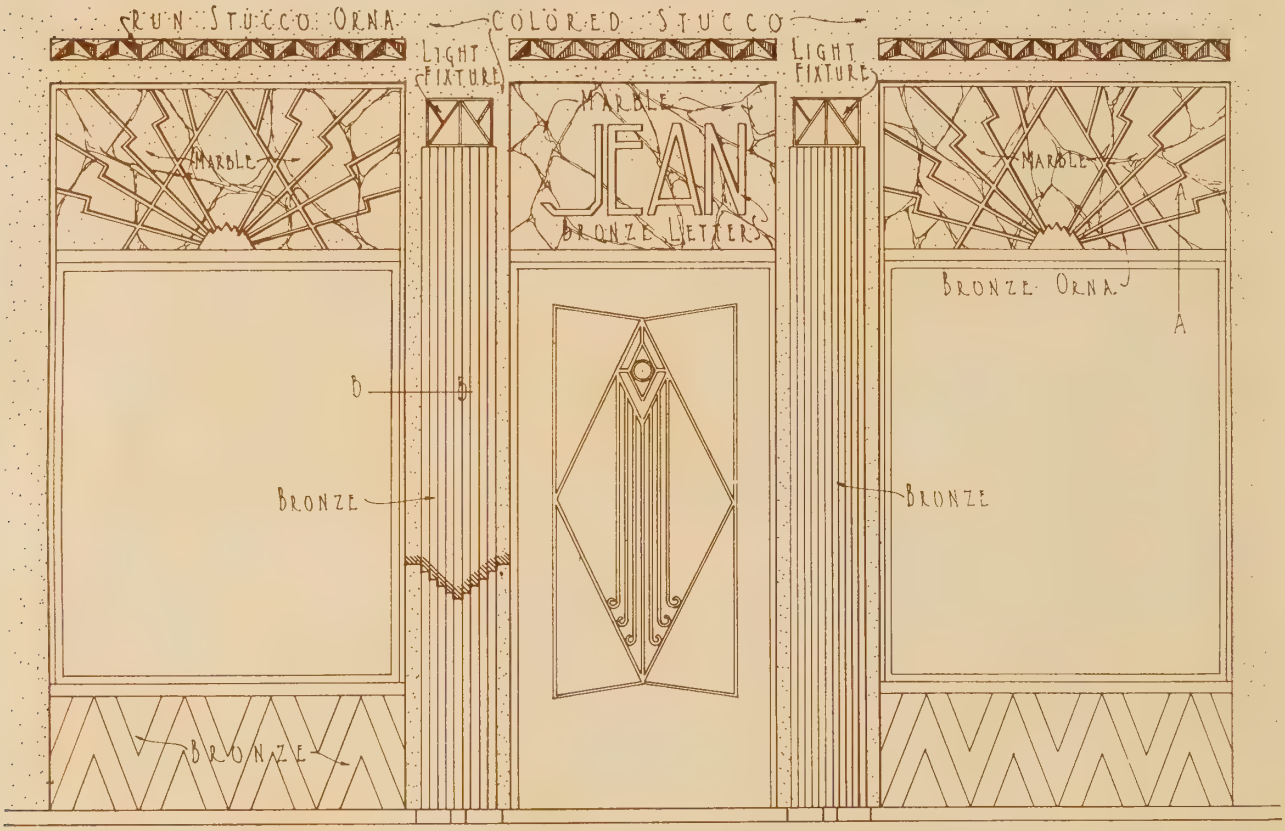
Typical front in hollow bronze moulds with cast bronze ornamentations. In this design we show Transom Panel with special cast bronze ornamentation. Transom Bar face with stock bronze ornamentations K and O shown on pages 20 and 21 and cresting over transom in stock designs 3030 and 3031 shown on page 13.

¼ FULL SIZE PART ELEVATION CORNICE & ETC.

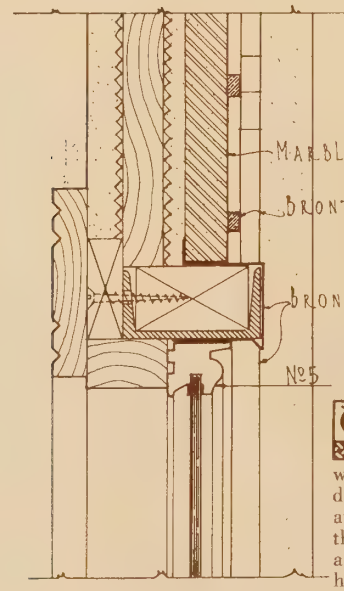
¼ F.S. SECTION "A-A"



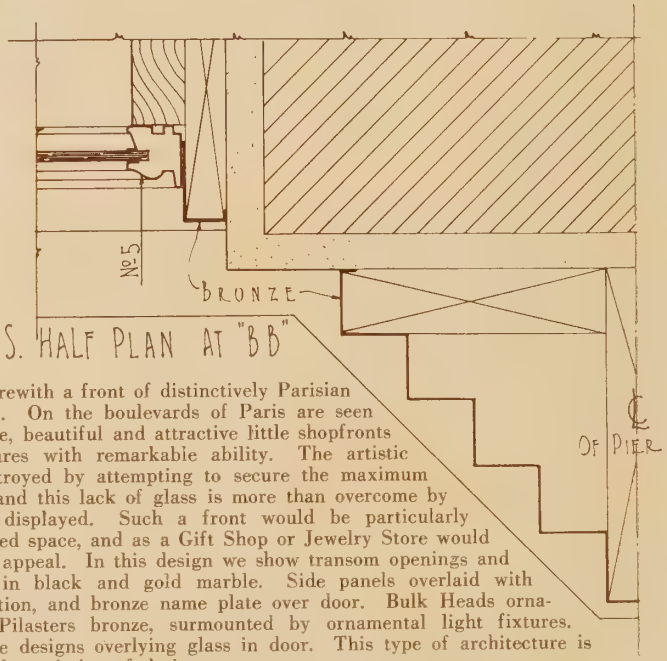
Another Ornamental Bronze type in which has been developed 3001 Cap, 3002 Base and 3003 Rope shown on page 13, also Special Grill illustrated on page 38.



ELEVATION
3/8" SCALE



¼ F. S. SECTION AT "A A"



¼ F. S. HALF PLAN AT "B B"

THE present herewith a front of distinctively Parisian architecture. On the boulevards of Paris are seen many unique, beautiful and attractive little shopfronts which display wares with remarkable ability. The artistic design is not destroyed by attempting to secure the maximum amount of glass, and this lack of glass is more than overcome by the individuality displayed. Such a front would be particularly adaptable to limited space, and as a Gift Shop or Jewelry Store would have a wonderful appeal. In this design we show transom openings and panel over door in black and gold marble. Side panels overlaid with bronze ornamentation, and bronze name plate over door. Bulk Heads ornamental bronze. Pilasters bronze, surmounted by ornamental light fixtures. Ornamental bronze designs overlying glass in door. This type of architecture is adaptable to a wide variation of designs.

SPECIAL SOLID CAST BRONZE ORNAMENTATION

3001—Top 4⅝"x2" Pilaster 2¼"x¾" Long 7"
3002—Bot. 3½"x1½" Pilaster 2¼"x¾" Long 2⅝"
3003—Wide 1¼" Relief ⅝"
3004—Diam. 8" Relief ⅞"
3007—8½"x4¾" Relief ⅞"
3010L—6¼"x2¾" Relief ¾"
3011R—6¼"x2¾" Relief ¾"
3012—3"x3½" Relief ¾"
3013—6"x6" Relief 1¼"
3014—4½"x4½" Relief 1"
3020—12¾"x4⅛" Relief ⅝"
3021—9¼"x2½" Relief ¼"
3022—6¾"x2¼" Relief ½"
3030—8½"x4½" Relief ½"
3031—4¾"x6" Relief ½"
3032—2⅜"x5⅝" Relief ¼"
3040—Diam. 4" Relief ¾"
3041—Diam. 3¼" Relief ½"
3042—Diam. 2⅝" Relief ½"
3043—Diam. 1$\frac{3}{16}$" Relief ½"
3044—Diam. 1½" Relief ¼"
3050—2½"x2½" Relief [illegible]"
5010—Wide 1¼" Stamped 18G
5011—Wide 1⅝" Stamped 18G
5012—Wide 2⅜" Stamped 18G
5013—Wide 2⅛" Stamped 18G
5014—Wide 1⅞" Stamped 18G

SALIENT BREVITIES OF NULOCK CONSTRUCTION

1—SASH MEMBERS connected with an automatically controlled screw which creates an exact predetermined pressure regardless of conditions. Glass held firmly and uniformly, eliminating glass breakage. Screws firmly locked. Metal used unusually heavy, fitting standard sash for any purpose including SELF SUPPORTING. Ample glass rabbet. Easily and quickly installed.

2—GUTTERS large V shaped with ample openings to assure speedy drainage of water and free ventilation. Vents so baffeled that a minimum amount of dust gains access.

3—SCREWS AND NUTS connecting all Bar Members are automatically controlled. Uniformly correct pressure exerted throughout the entire member. Glass held firmly, yet breakage through uneven pressure practically impossible. Adjustable to any size glass, or glass that is uneven. Ample glass rabbet. Easily installed.

4—DOUBLE THREADED firmly locked bar screws. Constant vibration to which these members are subjected will never loosen them.

5—TENSION PLATES AND SCREWS in bars assembled in correct position to match opposing members. Placed firmly enough to hold this position, yet easily moved. Screw heads held firmly without soldering.

6—STRENGTH IN BARS secured by addition of reinforcing bars. Heavy lugs and nuts result in particularly rigid construction. Reinforcement can be drawn as tight as desired without disturbing delicate glass adjustment of original bar. Same reinforcement used on all type of bars, reducing stock required for bar construction to a minimum.

7—REINFORCEMENT BARS constructed from heavy steel enameled within and without to prolong life of member. More lasting than steel copper coated. Solid Bronze reinforcing bars supplied if desired.

8—CORNER CAPS designed with embossed mitre, forming more ornamental connection between sash and bars. Reverse Cap constructed without sharp angles, eliminating a cache for dirt and permitting easy cleaning and polishing.

9—COPPER GUARDS of pliable metal fully protect all glass edges. In sash by square lugs, should there be a distortion of sash through uneven settlement of building.

10—ALL TIE MEMBERS and screws of brass or bronze and non-corrosive. Bar Anchors strong yet simple, and entirely concealed when used with B reinforcing.

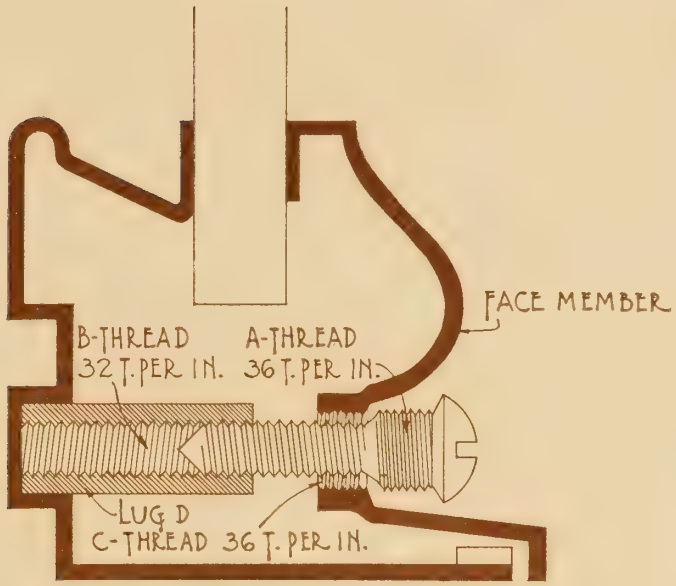
11—ALL COVERINGS correctly designed of heavy gauge metal and accommodated to stock framing lumber. Framing details simple and easily understood.

12—SIMPLE YET BEAUTIFUL IN ARCHITECTURAL DESIGN. EASY, QUICK AND SAFE TO INSTALL.

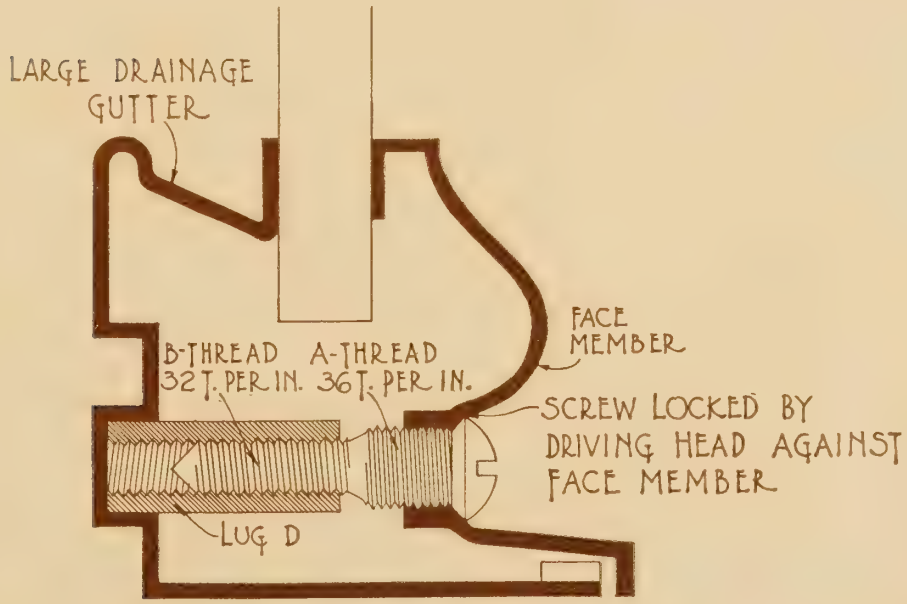
Twelve Salient Features of Nulock Construction, and Well Worth Considering When Planning a Store Front.

DETAILED SECTION OF NULOCK SASH CONSTRUCTION

Showing Automatic Screw Control



Double Full Size section of Nulock Sash with mould against glass ready for screw adjustment



Double Full Size section of Nulock Sash with screw adjusted, locked, and with mould drawn into correct position

AUTOMATIC SCREW CONTROL ON CORNER AND DIVISION BARS

PATENTED

THE AUTOMATIC SCREW CONTROL FEATURE IN NULOCK CONSTRUCTION IS also applied in Corner and Division Bars, the result being secured with a machine screw and threaded nut. The inside of this nut is threaded 32 to correspond with the machine screw on which it operates, while the outer surface of the nut as well as the copper back member which receives it, are threaded 40. This thread differential again creates a difference in the pull, slightly greater than in our sash construction, a necessity in case of bars.

As in our sash, proper pressure is controlled and nothing is left to chance. The thread differential is figured to a mathematical certainty. It is simply necessary to hold the back member lightly against the glass, and then start the nut into the thread which has been provided. When this nut has been driven completely home with shoulder against the back member the operation is complete. The back member has then been drawn against the glass with just enough tension to hold it firmly, yet not too tight. Every nut will exert exactly the same pressure throughout the entire member, entirely eliminating distortion and breakage of glass. Details of this construction are clearly shown on the following page.

There is another feature of Nulock Construction as applied to Corner and Division Bars, that must have its appeal to builder as well as jobber, and that is our method of reinforcing to care for varying conditions. It is a fact well known to every builder, that the union of several members develops greater strength, than a single member carrying the same amount of metal. This theory has been developed throughout Nulock Construction.

The special appeal to the jobber lies in the fact that reinforcing provided can be applied to all type of bars, making stock requirements much less. For ordinary size glass "A" reinforcing is sufficient, while the addition of "B" reinforcing cares for practically any size plate. At the same time if for any reason still stronger bars are desired for special construction, it is only necessary to add another reinforcing Bar "B", or apply our heavy duty bar "D". Such alterations can quickly be made with our lug and nut system, and in making such changes or alterations, none of the previous bars installed or the adjustment of same need be disturbed. This will be found particularly convenient if for any reason original installation is found too weak to stand the strain for which it was intended, or if for any other reason they are to be strengthened. This is a simple yet efficient method, and eliminates the necessity of carrying in stock different types of bars to care for these varying conditions. Full details of bars, with reinforcement combinations are shown on page 18.

It will be noted that the delicate glass adjustment is entirely completed with the original bars. Subsequent members added for reinforcing have no influence on this adjustment, and can therefore be drawn as tightly as desired. This construction results in a particularly firm and rigid bar, which rigidity is augmented by the strong connection lug used.

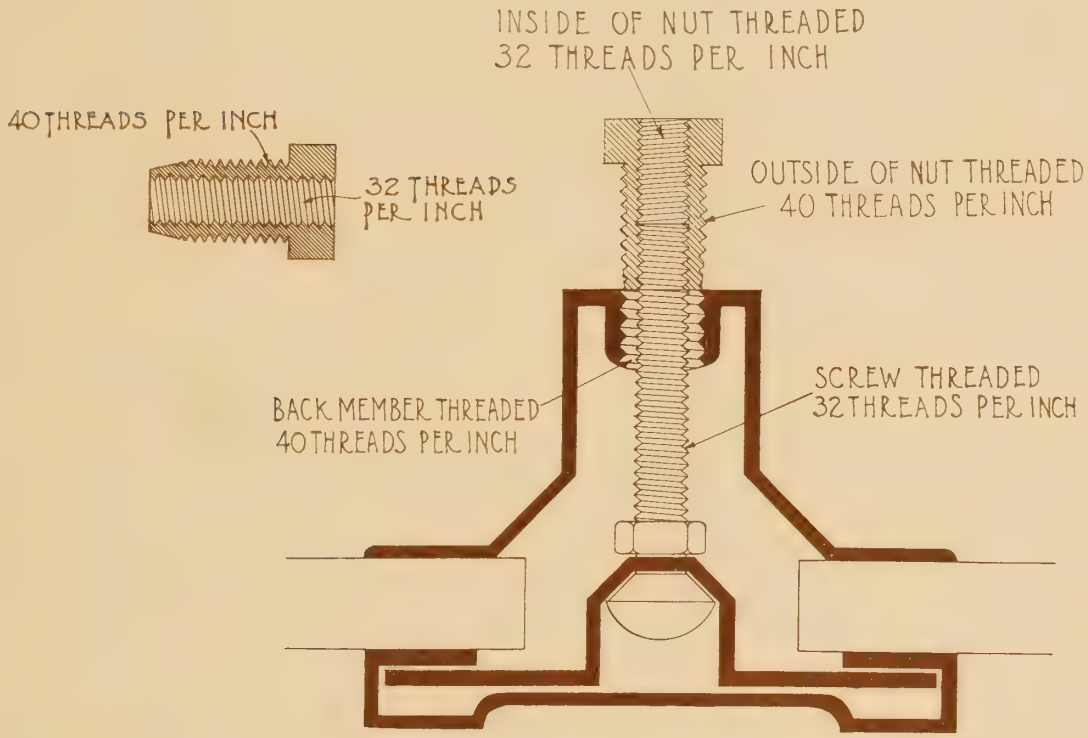
It will also be noted that all bars are provided with connecting clips of pliable metal, so constructed that the glass will not come in direct contact with connection screws, either while glazing, or later for reason of settling in the building. This is a feature of safety that is well worth considering.

Where window glass is buffeted by winds, subject to constant vibration and rapid changes in temperature, it is only natural that faulty window settings should be responsible for tremendous annual loss due to plate breakage. These difficulties are practically overcome in Nulock Construction. Throughout our entire line of Sash, Corner and Division Bars, will be found

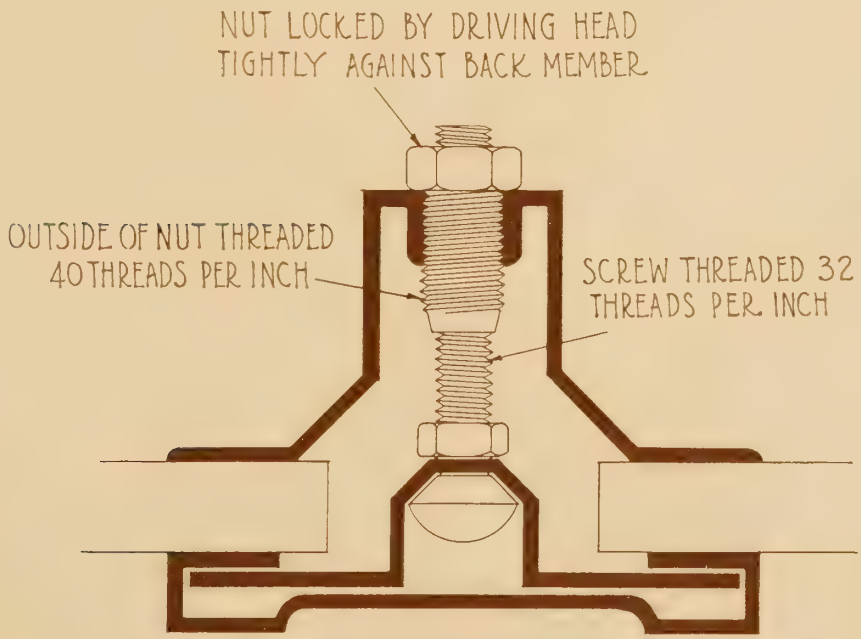
SAFETY, SIMPLICITY, ECONOMY, DURABILITY AND STRENGTH

DETAILED SECTION OF NULOCK BAR CONSTRUCTION

Showing Automatic Screw Control

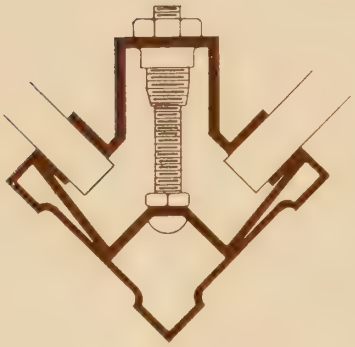


Double Full Size section of Nulock Bar with back member against glass ready for nut adjustment.

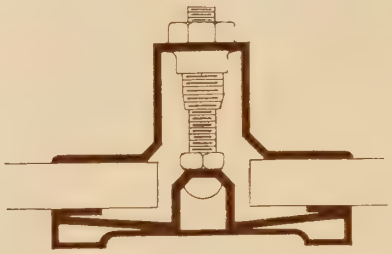


Double Full Size section of Nulock Bar with nut adjusted, locked and with back member drawn into correct position.

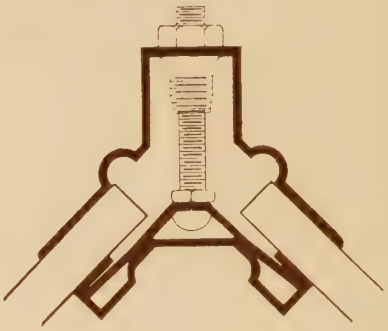
CORNER, DIVISION AND REVERSE BARS



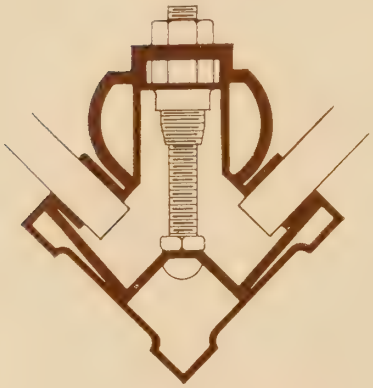
No. 2. Corner Bar



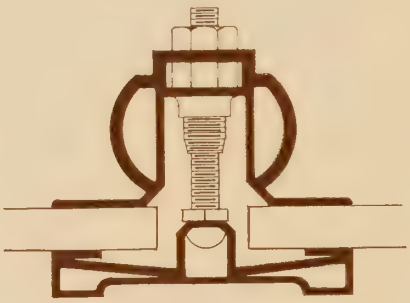
No. 14. Division Bar



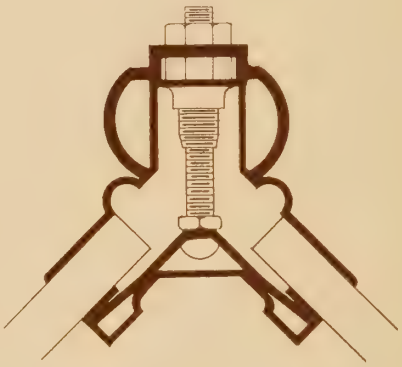
No. 8. Reverse Bar



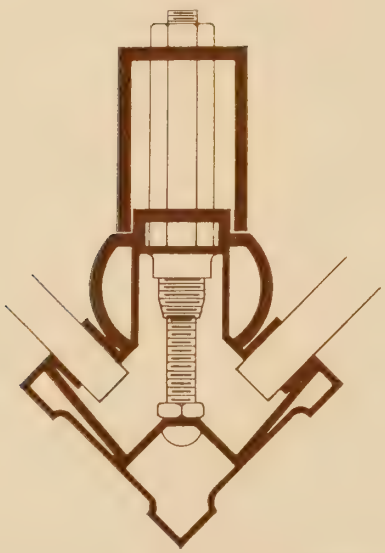
No. 2. With "A" Reinforcing



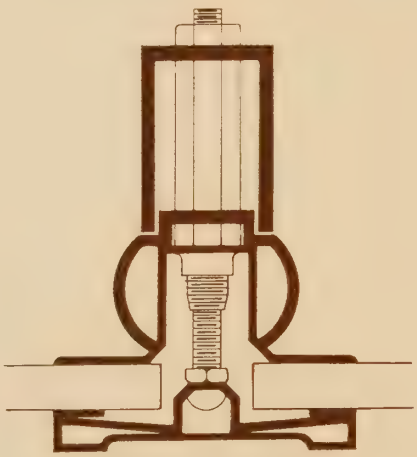
No. 14. With "A" Reinforcing



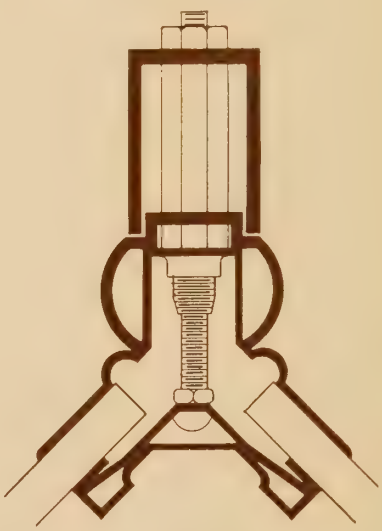
No. 8. With "A" Reinforcing



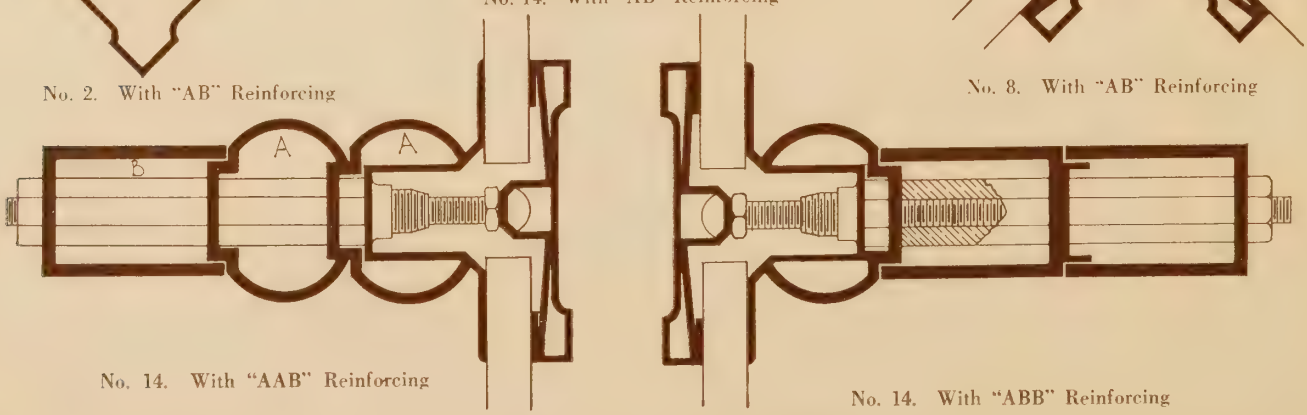
No. 2. With "AB" Reinforcing



No. 14. With "AB" Reinforcing



No. 8. With "AB" Reinforcing

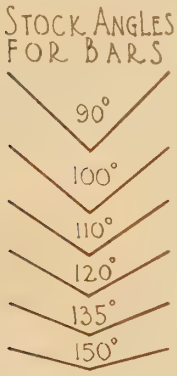


No. 14. With "AAB" Reinforcing

No. 14. With "ABB" Reinforcing

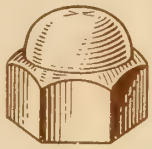
THE STRONGEST BARS ON THE MARKET

THE AUTOMATIC SCREW CONTROL FEATURED IN NULOCK SASH CONSTRUCTION is also applied in Corner and Division Bars, the result being secured with a machine screw and threaded nut. The inside of this nut is threaded 32 to correspond with the machine screw on which it operates, while the outer surface of the nut as well as the copper back member which receives it, are threaded 40. This thread differential again creates a difference in the pull, slightly greater than in our sash construction, it being a well known fact that for durable construction both the Corner and Division Bars must hold glass in a firmer clasp than the sash.



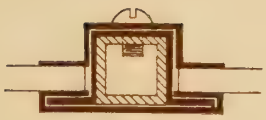
Bars over 84" should have "A" reinforcement and same cannot press against copper cushion next to glass, as it rests on the lock nut.

Bars over 108" "B" reinforcement should be added, using OUR separating extension bolt, which holds the reinforcement properly yet cannot bring additional pressure on the glass.



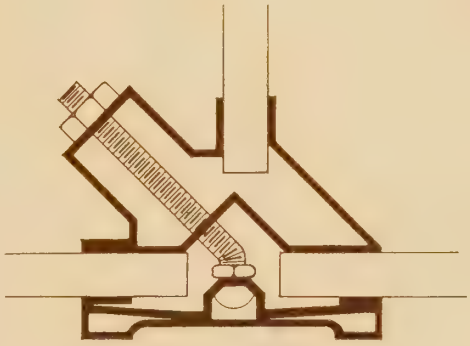
No. 17

No. 17. Acorn nut which can be supplied for the end of bar bolts whenever specified.



No. 16

Division Bar No. 16. Small bar for transom use. ONE inch face. Can be ORNAMENTED with Designs or Rossettes.



No. 18. Three Way Bar

Architects and Builders often overlook the fact that the size of plates should be proportioned to the wind pressure they must sustain. As glass increases in size the strength diminishes very rapidly, and it is therefore essential that the glass be not only properly proportioned, but that sufficient support and strength be given each plate installed. We suggest the following Nulock Bars and Reinforcements to care for various size plates.

CORNER BARS

No. 2 —Up to 72" high, not over 28 sq. ft. largest plate.
No. 2A —Up to 84" high, not over 42 sq. ft. largest plate.
No. 2AB—Up to 108" high, not over 80 sq. ft. largest plate.
No. 2AAB—Over 108" high.

DIVISION BARS

No. 14 —Up to 48" high in transom.
No. 14A —Up to 72" high, not over 42 sq. ft. largest plate.
No. 14AB—Up to 108" high, not over 72 sq. ft. largest plate.
No. 14AAB—Over 108" high.

REVERSE CORNER BARS

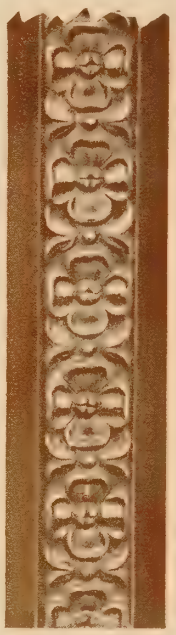
No. 8 —Up to 72" high, not over 28 sq. ft. largest plate.
No. 8A —Up to 84" high, not over 42 sq. ft. largest plate.
No. 8AB—Up to 108" high, not over 80 sq. ft. largest plate.

ORNAMENTAL CAST BRONZE

Combination Designs KD and R

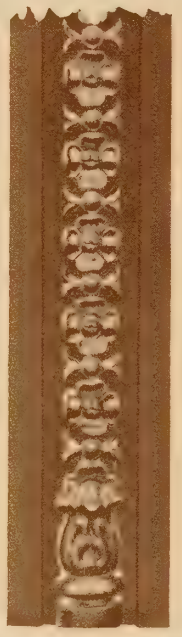
Design I.

Design R & U

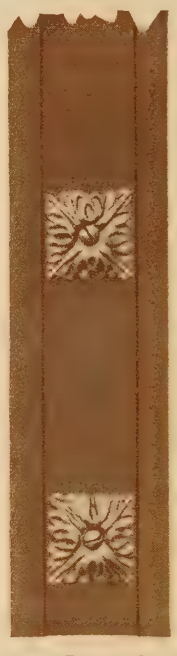


Design N

Design O & U



Design M & U



Design S

GENERALLY speaking the designs presented can be applied on any members of *Nulock* store front construction, yet they have been selected for certain members and the following suggestions may prevent confusion and help in making up satisfactory combinations:

K—Leaf design is especially adapted for use on Transom bars, and any of the other designs can be used as additional ornamentation. Beautiful combinations can thus be secured as presented on Transom bars shown above.

L—Chain design can be used on Division bars or any other member, excepting Corner bar, for which it is too wide.

R—Rope design can be used on any member including Corner bar.

N—Large Flower and Leaf design can be used on Division bars or any other member excepting Corner bars for which it is too wide.

O—Reed and Ribbon design can be used on any member including Corner bars.

M—Small Flower and Leaf design can be used on any member including Corner bars. Designs *M* with *N* make a pleasing combination, as they are the same pattern, differing only in width.

S—Large square Rosette design can be used on any member excepting Corner bars for which it is too wide.

T—Small square Rosette design can be used on any member including Corner bars. As designs *S* and *T* are the same pattern differing only in width, these two numbers will care for an entire front with pleasing effect. The spacing of these numbers can be done to meet individual taste.

W and *X*—Large and small round Rosettes are applicable the same as designs *S* and *T*, the only difference being that they are round instead of square.

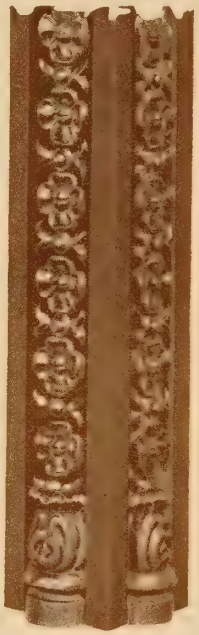
ORNAMENTAL CAST BRONZE

Combination Designs K and O

Design W

Design R & U

Design O & U



Design M & U

Design T

Design X

U—Base design is particularly effective if used in connecton with designs *R-O* and *M*. However, the use of this base is entirely optional, and the various patterns present a very satisfactory appearance without the base.

Examination of designs offered and a study of above suggestions will enable anyone to select and arrange a most satisfactory combination of ornamentations. If help is desired in arangement, we will be glad to make suggestions upon receipt of details showing contemplated construction. Metal can be cut at the factory to fit any job and the ornamentation applied with statuary finish which is an exact replica of old time bronze.

No. 3035

No. 3035. Cast Bronze Cresting, which can be installed on Transoms, Awning box coverings or above Head jamb if desired.

INDIVIDUAL cast bronze store fronts have heretofore been the privilege of millionaire merchants only. The tremendous cost of the skilled artist, the original models and the castings, have made this type of construction prohibitive to the ordinary user. Then also the production of such original construction often consumes many months of time, all of which is objectionable.

In *Nulock* cast bronze we are offering a type of construction that overcomes the objectionable features, both of cost and time. All the heavy preliminary expense connected with original designs has been cared for. The designs selected are of the highest type and have been designed by skilled craftsmen. A front made up from these designs can be produced at a fraction of the cost of an original design, and will come within the means of any merchant large or small.

In *Nulock* cast bronze ornamented metal, we are offering to the trade a type of construction heretofore unknown.

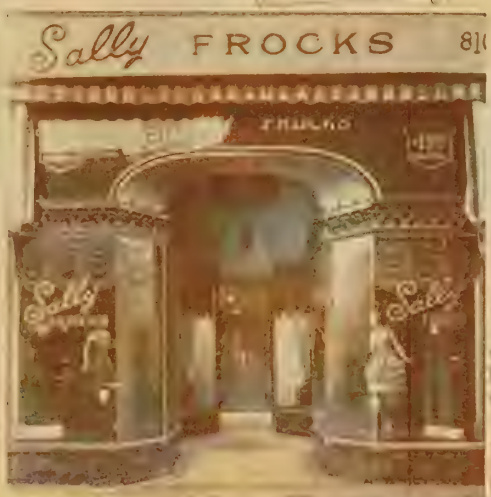
Recent Installations

Recent Installations

Chain Stores

J. C. Penney Co.

Montgomery Co.



Montgomery Ward & Co.

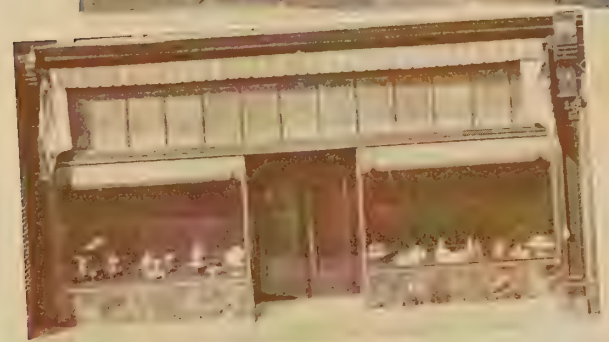
S. S. Kresge Co.

Atlantic & Pacific Tea Co.

Walgreen Co.

Sears Roebuck & Co.

Ornamented with Cast Bronze



ARCHITECT'S STORE FRONT SPECIFICATIONS

Store Front Construction to be Nulock System furnished and installed in exact accordance with details covering this part of the work, or as hereinafter specified.

Plate and Transom glass to be securely held in place with Nulock ventilated Sash, controlled pressure store front construction as manufactured by the SIOUX METAL PRODUCTS COMPANY, Sioux City, Iowa.

All Sash, Jambs, Transom, Cornice, Soffit and Bulkhead Mouldings to be of heavy gauge, cold rolled copper (or Bronze).

Mouldings according to numbers shown on detail or specified below, numbers being taken from the Nulock System, catalog "C".

Finish:—To be polished copper and lacquered.
(To specify any special finish, see page 45.)

Kick Plates and Thresholds to be Brass.

ORNAMENTAL CAST BRONZE:— To be of Nulock Designs as shown in manufacturers catalog.

Head and Side Jambs to have design "R".
Corner and Division Bars to have design "R".
Transom Bar to have designs "KD & R".
Sill to have Rosettes "S" six inch centers.
Head and Side Jamb Cap to have Rosette.

(See page 22 for above material.)

"Other combinations can be had with our different designs as shown on pages 20 and 21."

(Specify finish desired.)

ARCHITECTS AND CONTRACTORS

If design "R or O" is used on sill, mitering with Jamb specify sill No. 65. See page 30.

We maintain a store front designing and detailing department, that is at your service.

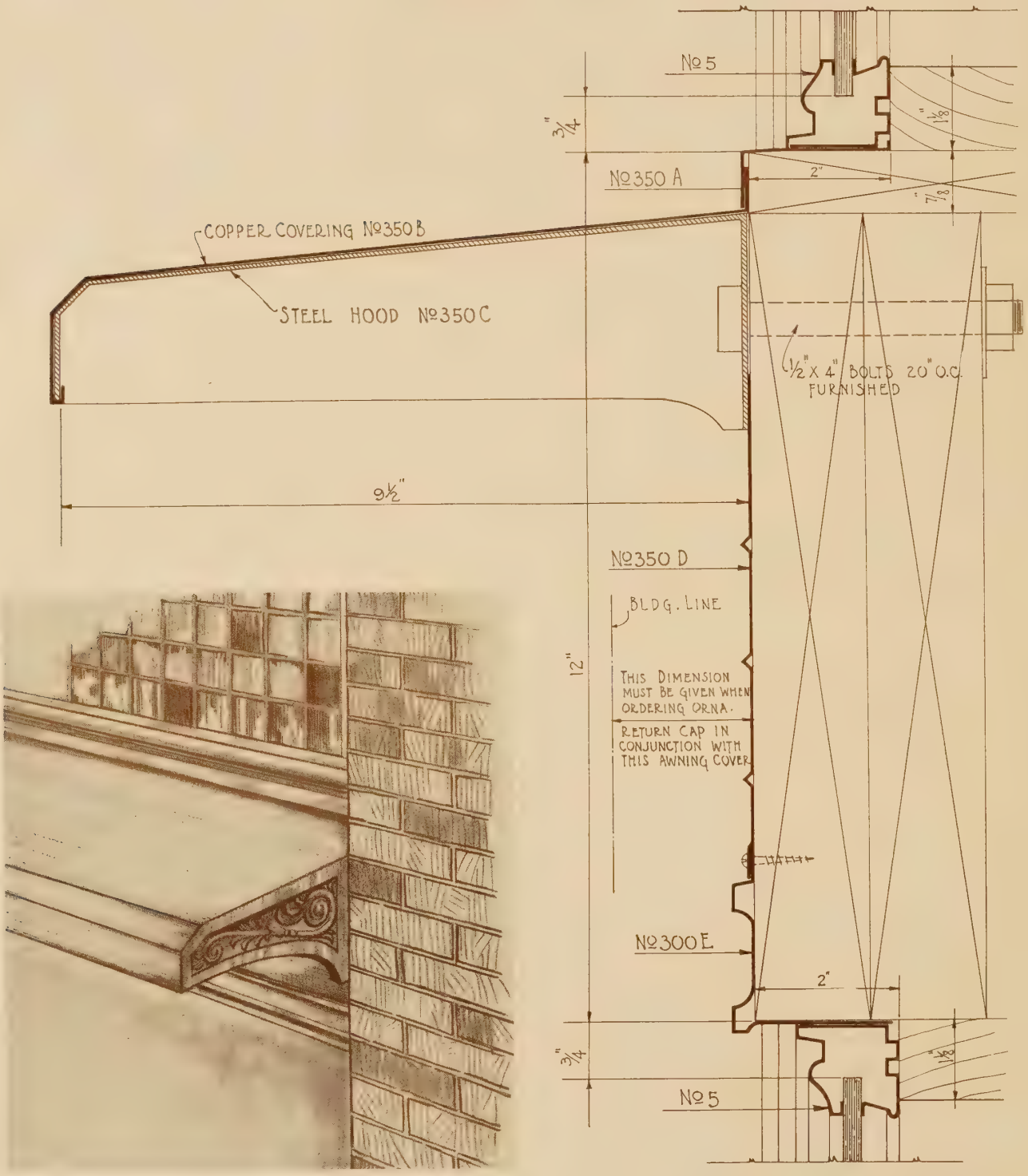
We have a great number of Hollow and Extruded moulds in stock not shown in this catalog, which can be used in many types of store fronts. We can also execute special designs of store front construction and ornamentation, from architects details or specifications.

Send us your suggestion of the store front and we will get out drawing, showing our stock mouldings nearest to your designs.

SIOUX METAL PRODUCTS CO.

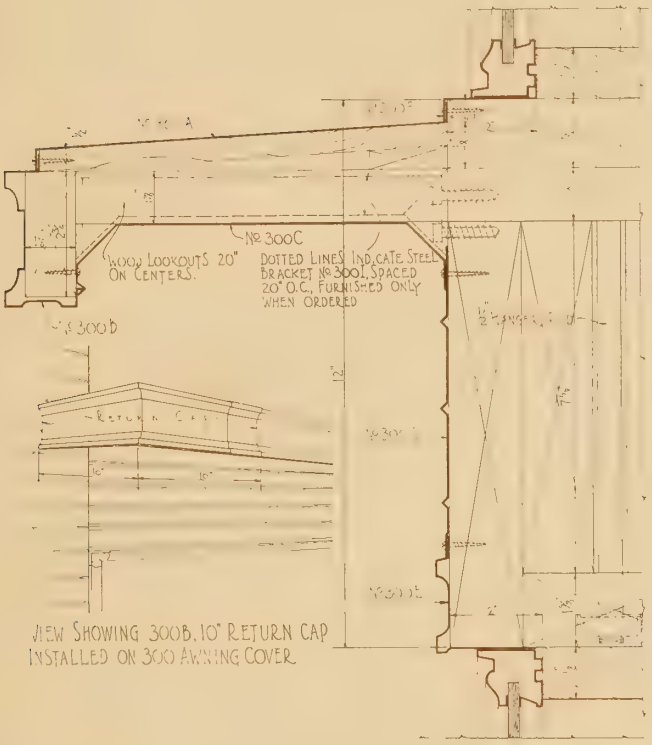
NO. 350 AWNING BAR COVER

One-half Full Size



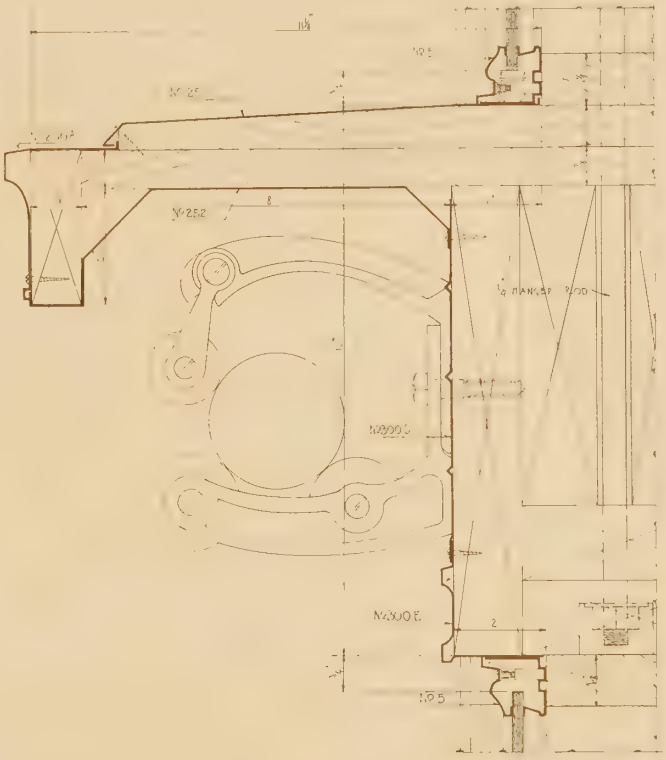
This Awning Bar Cover is supported by strong channel steel throughout its entire length, which for convenience in handling and installation is provided in 10′ stock lengths. Suitable covering for this channel steel supplied in either copper or bronze. Plain end returns are stock construction, but special ornamental ends can be supplied on order. This Awning Cover is easily installed and eliminates complicated framing difficulties. Neat, inexpensive and practically everlasting.

NO. 300. AWNING BAR COVER
¼ Full Size



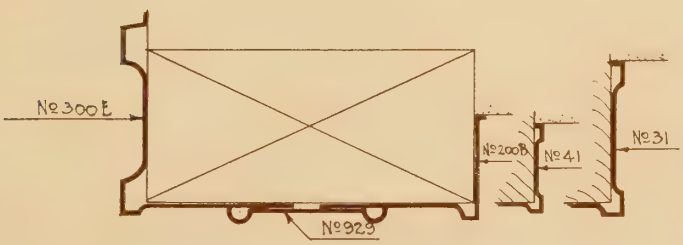
No. 300 Awning Bar Cover has particularly pleasing architectural lines and presents a neat yet beautiful appearance. Framing construction is simple and as additional support steel reinforcing bar 300-I can be supplied if desired.

NO. 250. AWNING BAR COVER
¼ Full Size

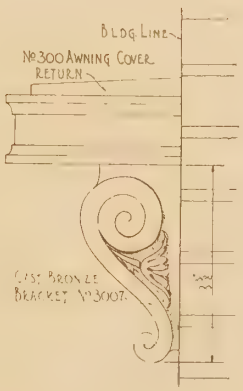


No. 250 Awning Bar Cover is similar to No. 300 and maintains the same fine architectural lines. However moulds are more simple in construction, making the cost slightly less. The 300-I steel reinforcing cannot be used in this construction.

BOTH OF ABOVE AWNING COVERS CAN BE EMBELLISHED WITH BRONZE ORNAMENTATION IF DESIRED.

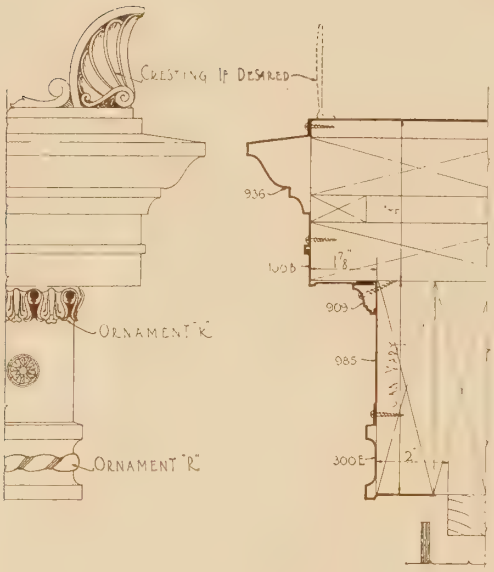


Soffit Under Cover above is typical with an awning bar construction and inside corner covering can be finished with stock members No. 200B, No. 41 or No. 31. The undercover is finished with special mould No. 929. In ordering it is simply necessary to specify the length of 200B, 41 or 31, depending on finish desired, and a corresponding length of No. 929 for the undercover.



No. 3007 Cast Bronze Bracket at the end of Awning Hood gives a very attractive finish. See page 13.

SPECIAL SECTIONS



No. 330. Transom 10″

No. 330. Transom 10″. At the left. Can be made up in 12″ or 14″ bar.

Can be ornamented if so desired, but omitting mould No. 909.

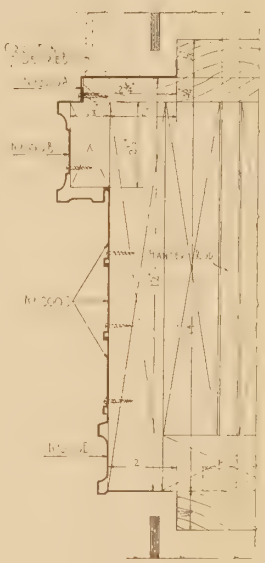
Will be shipped 10″ unless specified otherwise.

———o———

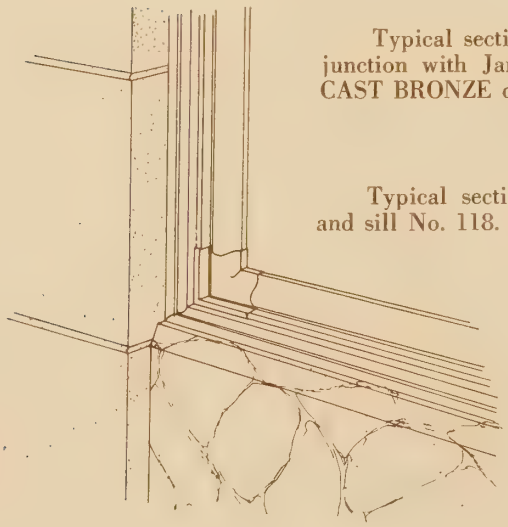
No. 320. Transom 12″. At the right, which can be increased or decreased in multiples of 2″.

This transom bar covering can be used in conjunction with awning cover No. 300, by substituting in place of No. 200C, cover No. 300D.

Will be shipped 12″ unless specified otherwise.



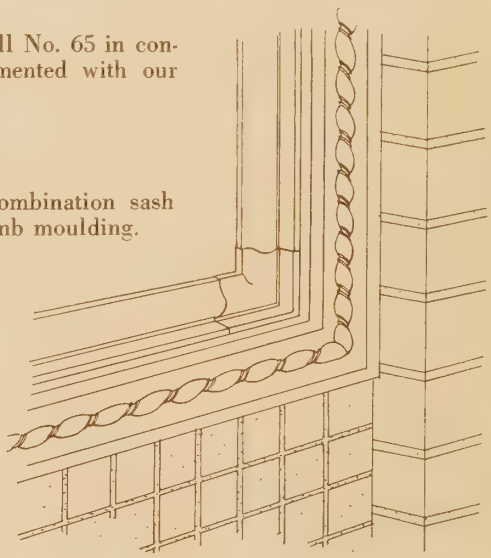
No. 320. Transom 12″

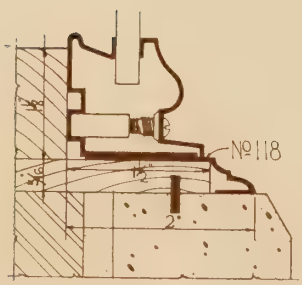


Typical section at the RIGHT, showing our sill No. 65 in conjunction with Jamb No. 31, which can be ornamented with our CAST BRONZE designs or Rosettes.

———o———

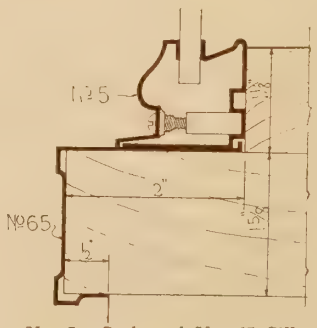
Typical section at the LEFT, showing our combination sash and sill No. 118. Can be used with or without Jamb moulding.





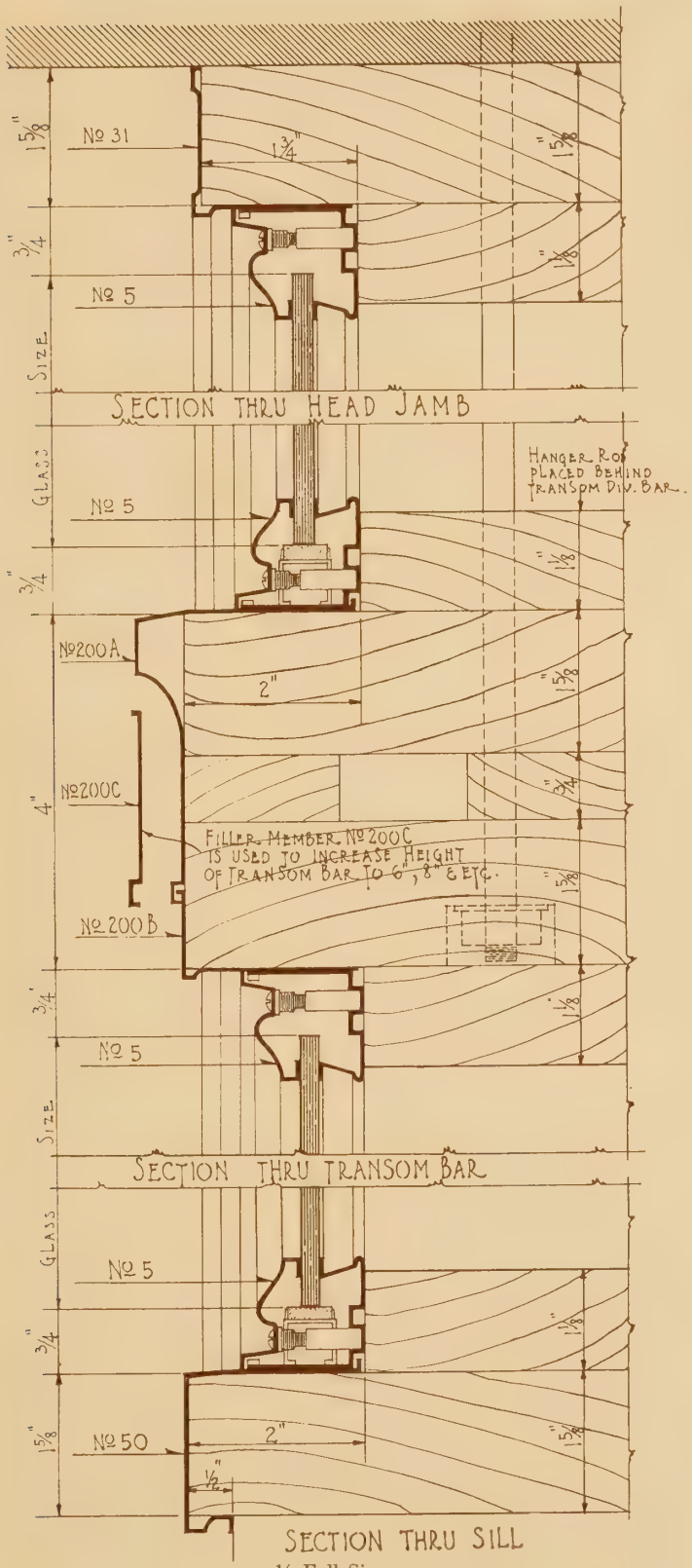
No. 118. Sash and Sill Attached

Different shape, TRANSOM and SILL mouldings are shown on opposite page. No. 31.



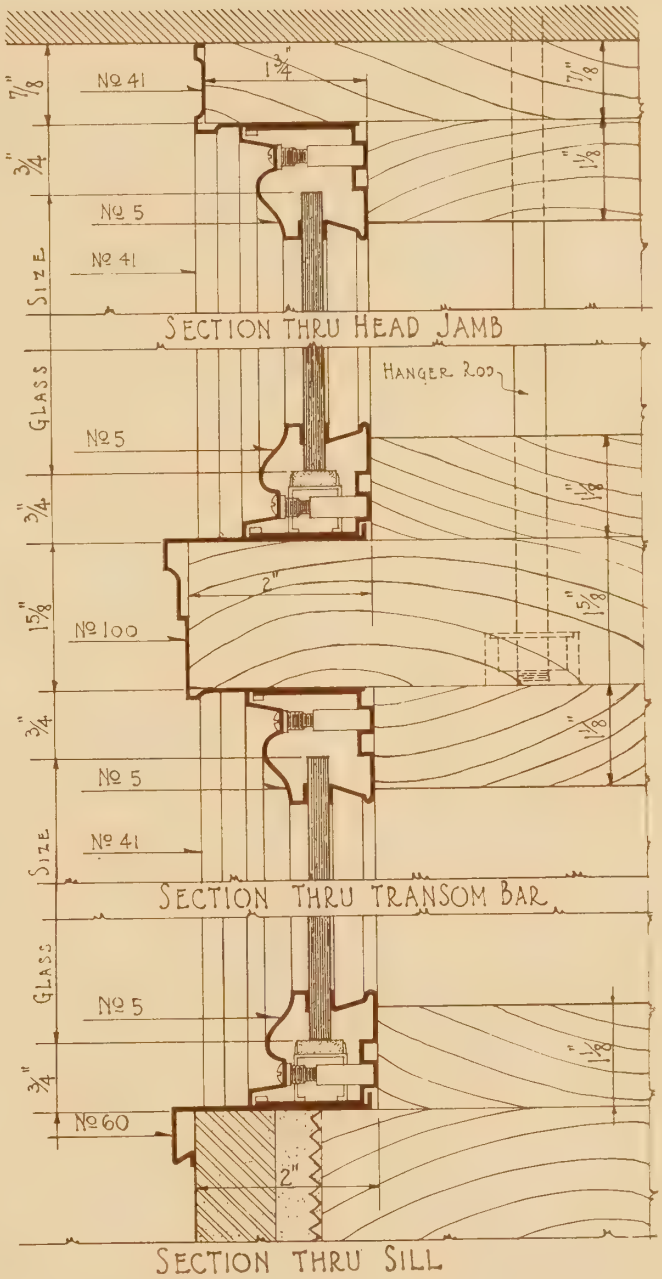
No. 5. Sash and No. 65 Sill

VERTICAL SECTIONS



½ Full Size

Details showing Nulock Sash with copper covered head and side jambs, and No. 200—4″ Transom Bar, which can be increased in multiples of 2″ to any desired size by using 200C filler as shown above.

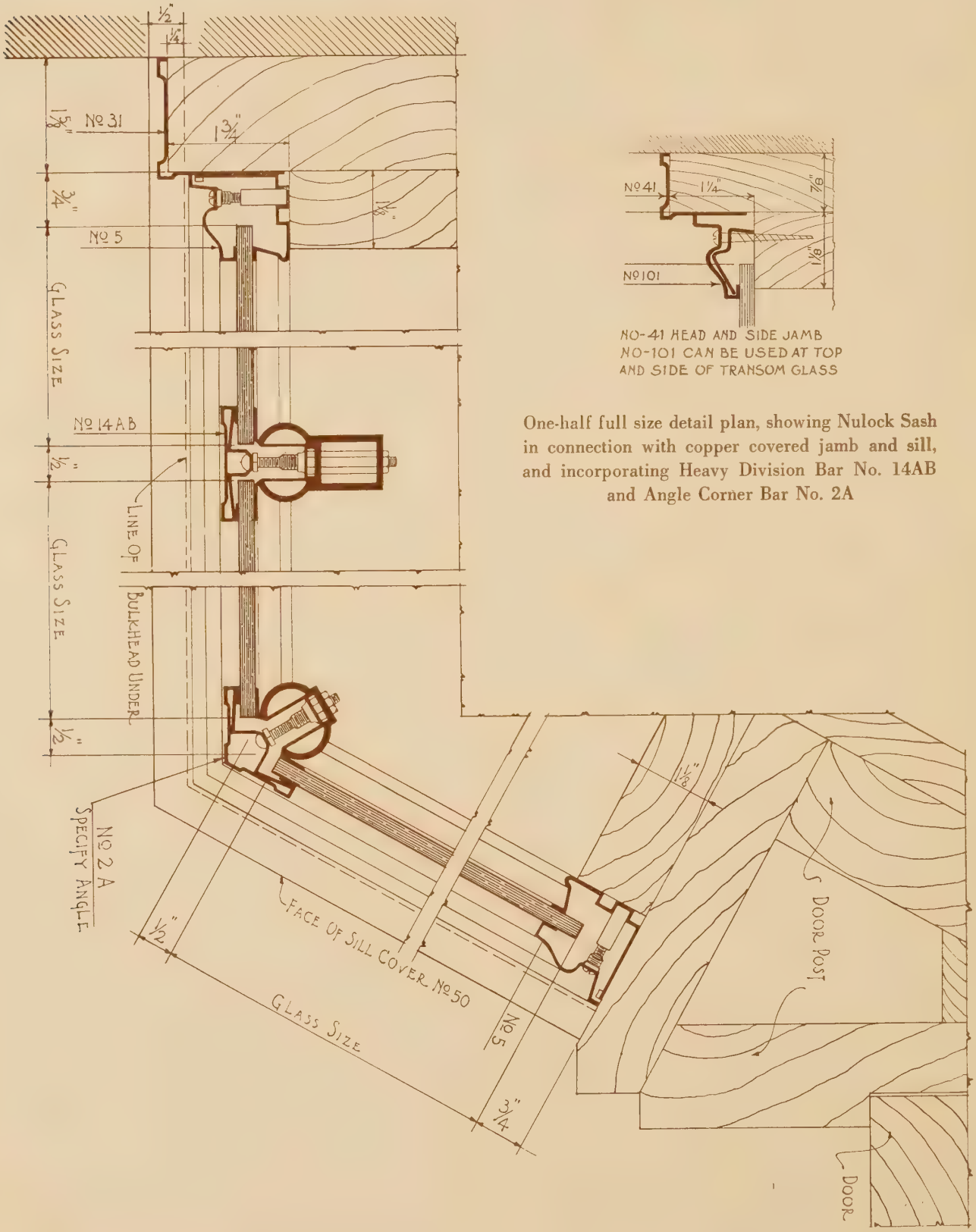


½ Full Size

Details showing Nulock Sash with copper covered head and side jamb, and copper covered 1⅝ inch Transom Bar.

No. 60 Sill Cover is shown and used in connection with marble or tile bulk head.

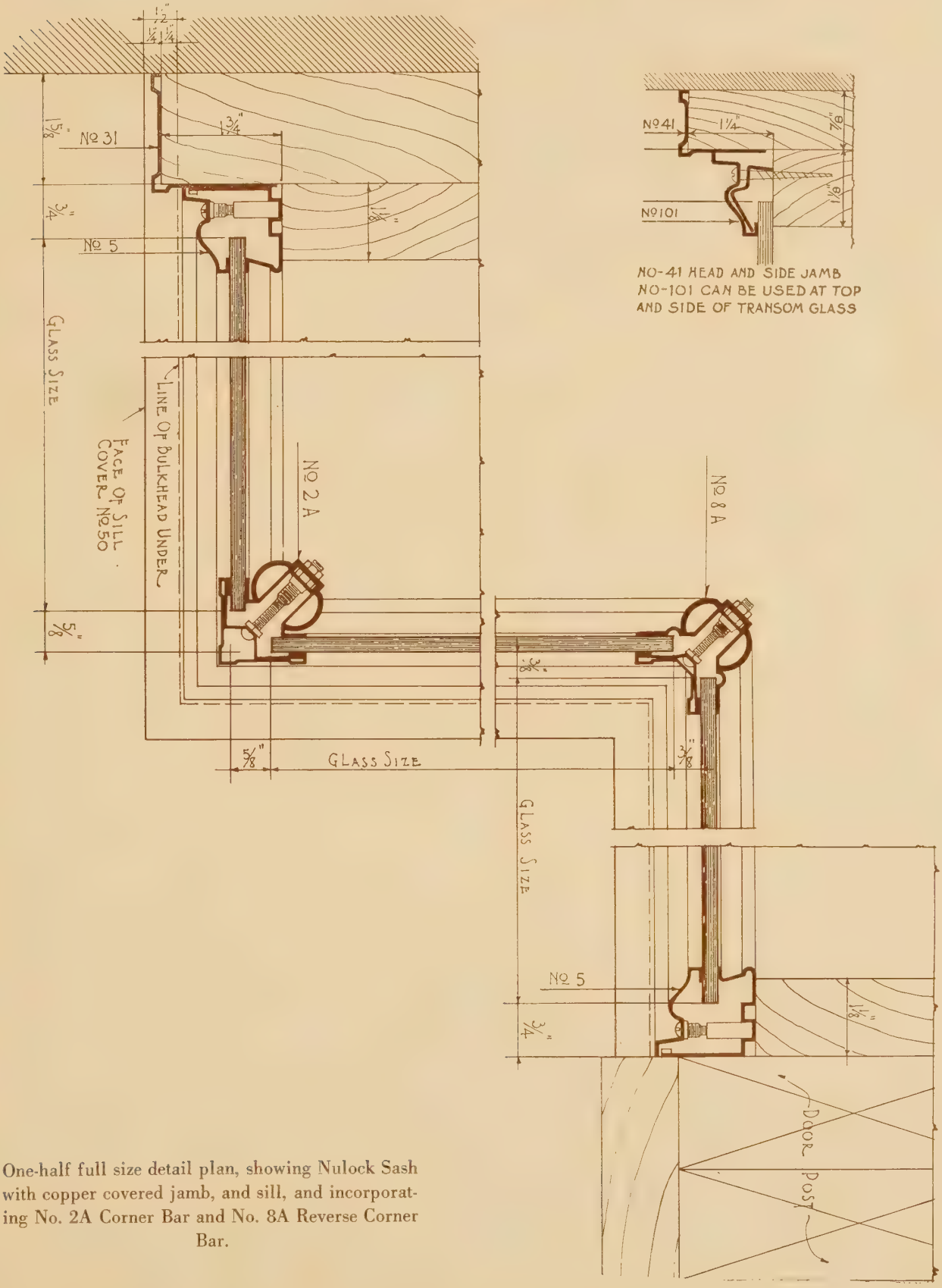
HORIZONTAL SECTION



NO-41 HEAD AND SIDE JAMB
NO-101 CAN BE USED AT TOP
AND SIDE OF TRANSOM GLASS

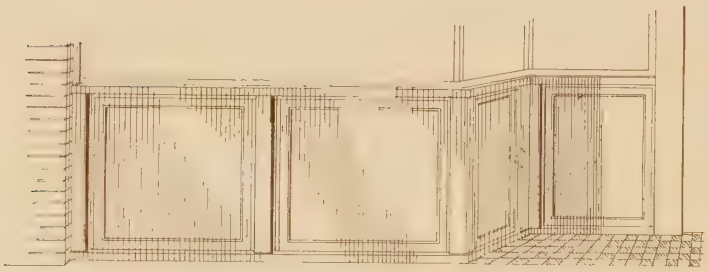
One-half full size detail plan, showing Nulock Sash in connection with copper covered jamb and sill, and incorporating Heavy Division Bar No. 14AB and Angle Corner Bar No. 2A

HORIZONTAL SECTION

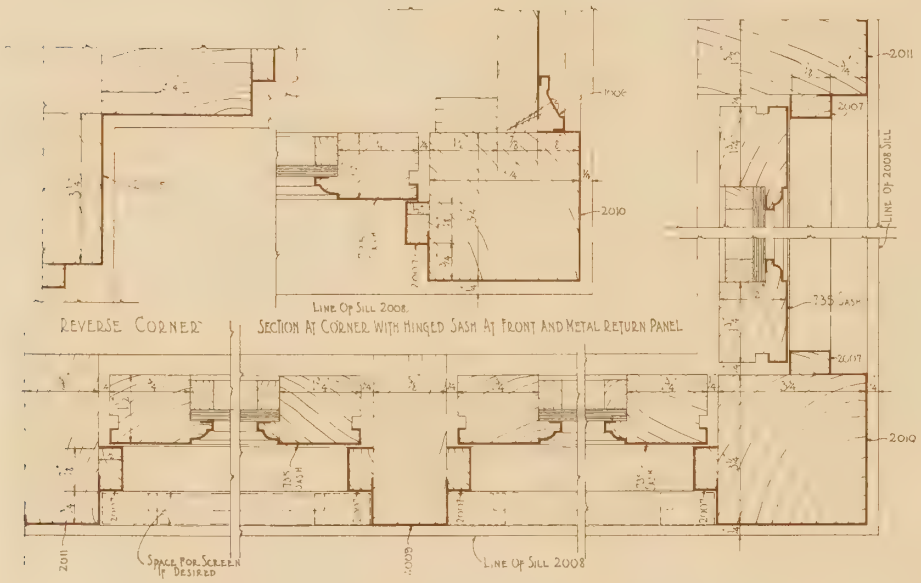


One-half full size detail plan, showing Nulock Sash with copper covered jamb, and sill, and incorporating No. 2A Corner Bar and No. 8A Reverse Corner Bar.

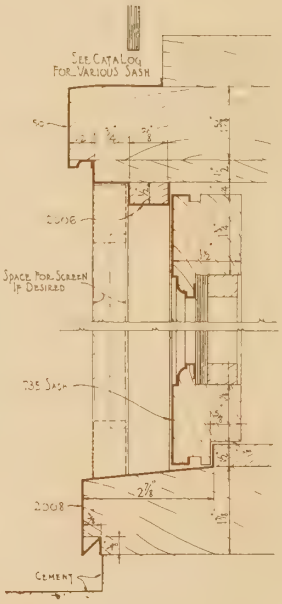
BULKHEAD CONSTRUCTION



Typical construction of No. 2000 Series bulkhead covers, with No. 735 hinged sash. Details can be furnished showing application of this construction either with flat pannels, or incorporating grills illustrated on page 38.

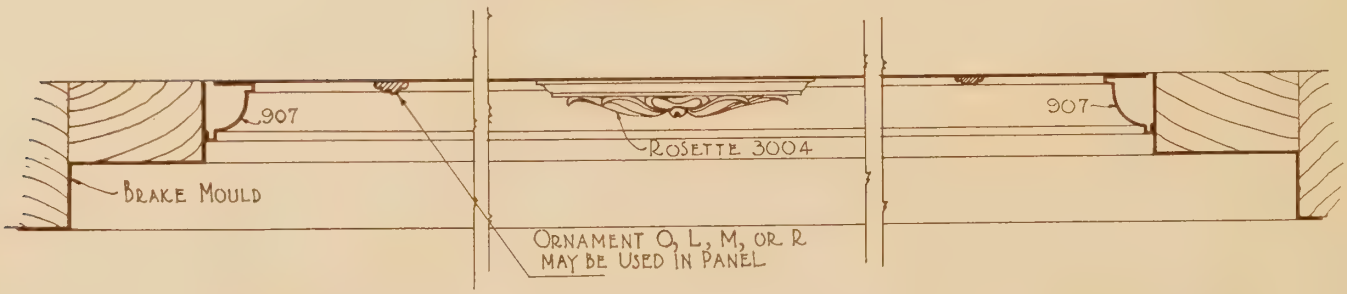


HORIZONTAL PLAN THRU BULKHEAD



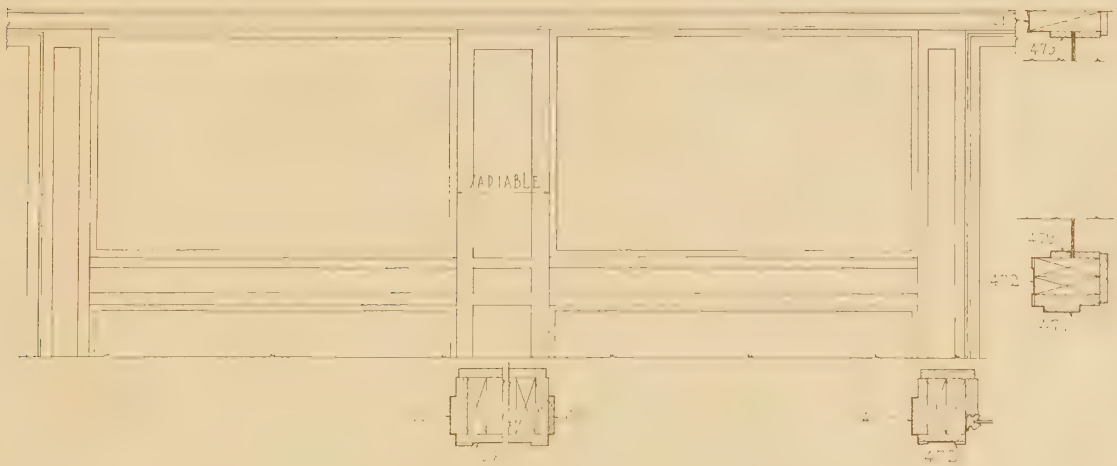
VERTICAL SECTION THRU BULKHEAD

METAL CEILING

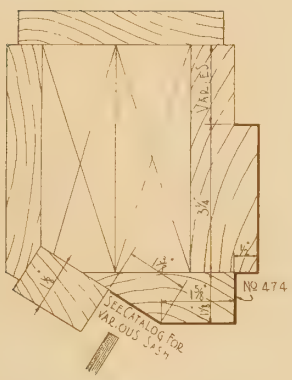


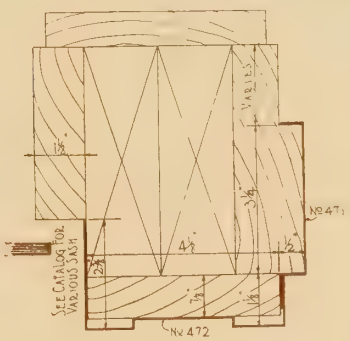
We are presenting herewith a high type ceiling which can be beautified and provided at a nominal cost. In this construction, we show as a center ornament design No. 3004 illustrated on page 13, while border ornaments can be applied using any of the designs shown on pages 20 and 21. This ceiling is adaptable to a wide variation of ornamentation, and presents a very fine architectural appearance.

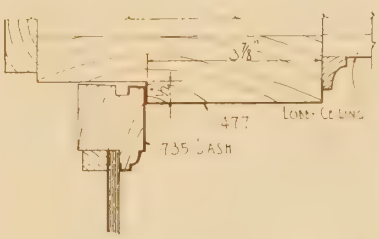
DOOR FRAME AND TRANSOM MOULDS

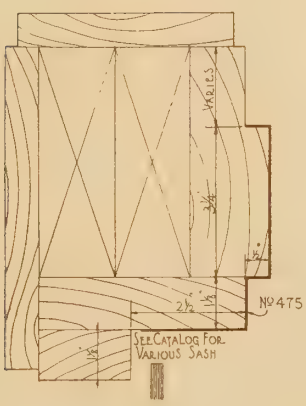


Typical section showing door head jamb, transom and metal panel between doors. Special designs can be detailed and furnished upon application.



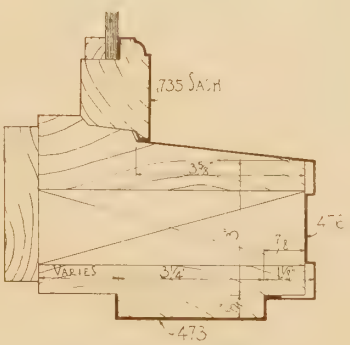




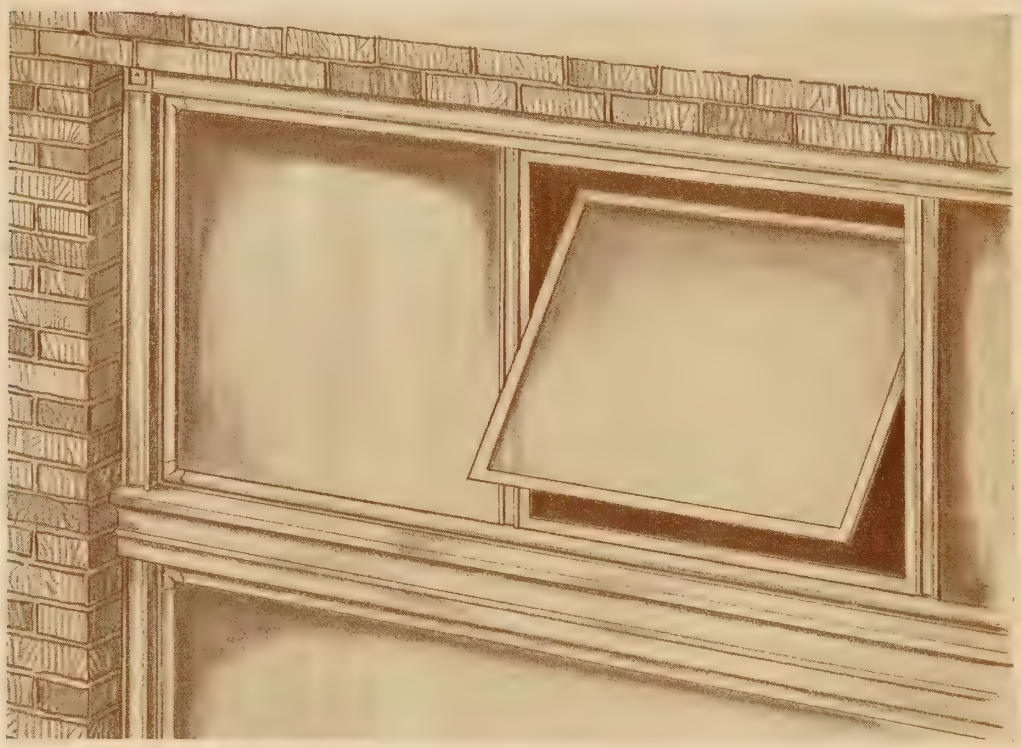


Typical sections showing three types of door post coverings, which will meet practically any situation. The transom bar coverings shown can be used in connection with any of these three.

Special designs can be detailed and furnished upon application.



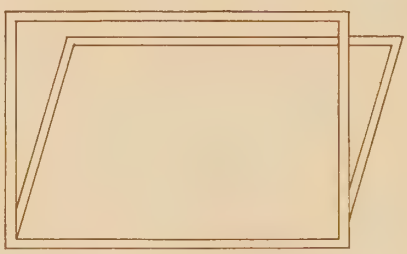
NO. 20 TRANSOM VENTILATOR



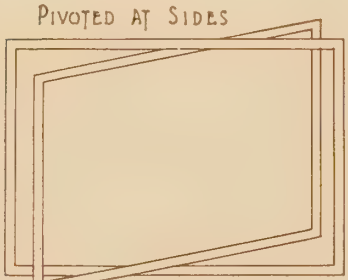
ALL Ventilators made up in extruded bronze. Corners of frame and sash are mitred and welded, making construction particularly rigid and sturdy. Welding is smooth ground giving Ventilators a fine appearance. Sash can be removed from frame and one end of frame is adjustable, making insertion of glass and glazing easy. Construction is water tight and Ventilators can be screened if desired.

These Ventilators are made up in various types shown below and can be produced to match any of our standard finishes.

№ 20 A
PIVOTED AT SIDES

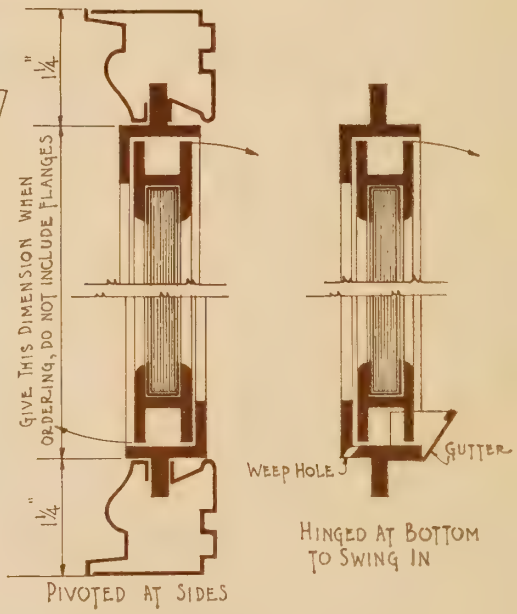


№ 20 B
HINGED AT BOTTOM TO SWING IN



№ 20 C
PIVOTED AT TOP AND BOTTOM

№ 20 D
HINGED AT TOP TO SWING OUT



½ FULL SIZE SECTIONS

In ordering specify type of Ventilator desired by number shown, giving measurement as indicated in above line drawing. This would be what is termed day light opening, or measurement of frame not including flanges. The flange projection from frame is ⅜ inch. Stock sizes 24″x30″ and 30″x24″.

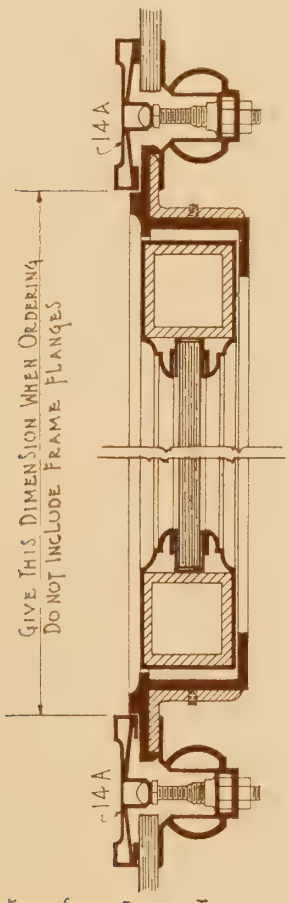
NO. 10 SHOW CASE DOOR

SHOW Case Door Frame made of extruded bronze, which is further reinforced with a steel angle. Corners mitred and welded. Door made of heavy seamless tubing corner welded and completely covered with copper or bronze. Compact and rigid construction. Pivoted hinges prevent sagging. Yale cylinder lock and solid bronze handle.

Doors are made to swing either out or in, and when swinging in proper drainage is provided. All doors made with flanges to fit Nulock sash and bars.

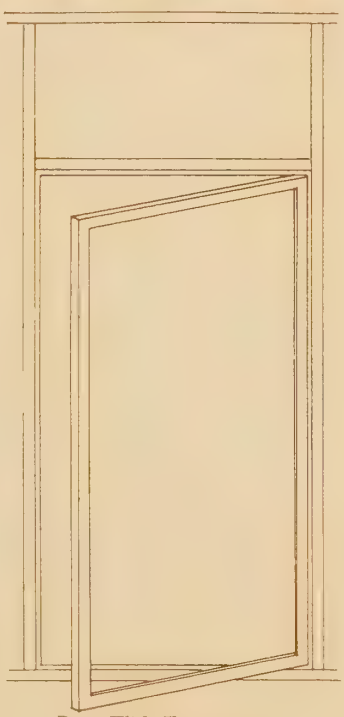
In ordering be sure and specify if doors are to swing right or left hand facing the door.

Doors other than regular construction, must be figured at special price.



½ FULL SIZE PLAN THRU SHOW CASE DOOR

Door Without Transom
No. 10L. Left Hinged
No. 10R. Right Hinged



Door With Transom
No. 10A. Left Hinged
No. 10B. Right Hinged

In ordering give measurement of door frame not including flanges as indicated in line drawing at right. Flange projects from frame ⅜". Stock sizes 24"x60" and 30"x66".

CAST BRONZE AND STAMPED GRILLES

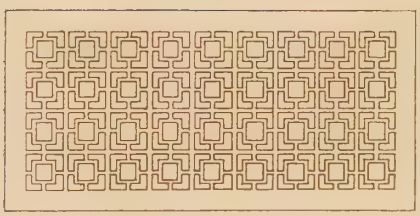
No. CG
Stock sizes

11x5″	18x9″	24x10″
CG1	CG2	CG3

No. CB
Stock sizes

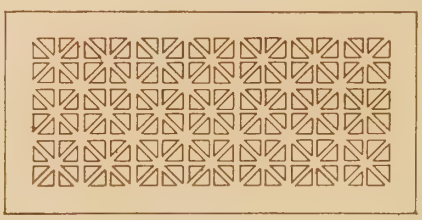
11x5″	18x9″	24x10″
CB1	CB2	CB3

No. CO. SPECIAL TYPE. Height 16″ Cast Bronze grilles other than regular stock designs can be supplied to meet any situation. Prices will be given upon application, as cost must be determined by time and materal required.



No. SG
Stock sizes

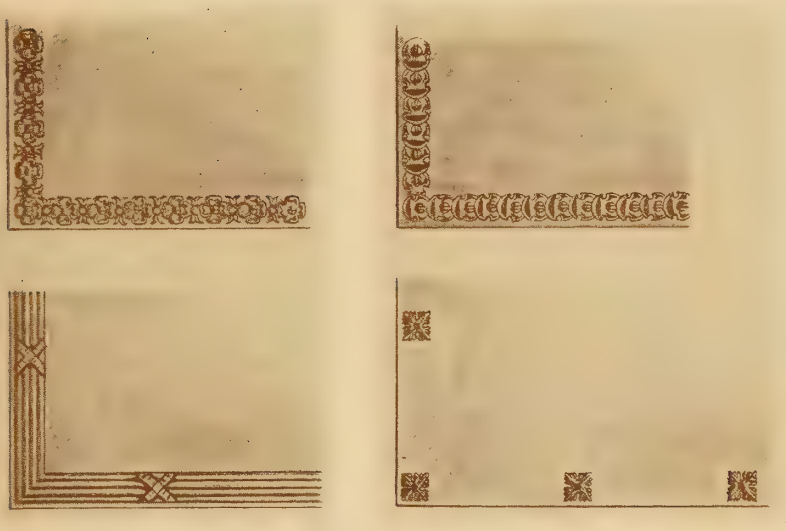
11x6″	18x9″	24x11″
SG1	SG2	SG3



No. SB
Stock sizes

11x5″	17x8″	23x11″
SB1	SB2	SB3

KICK PLATES, PUSH PLATES AND THRESHOLDS



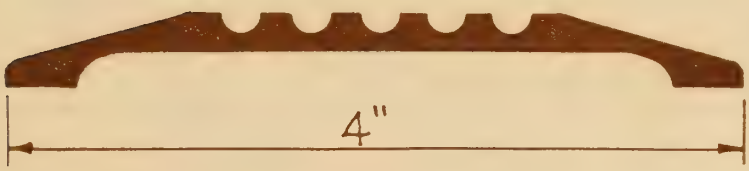
No. 90. Kick Plates

No. 89. Push Plates

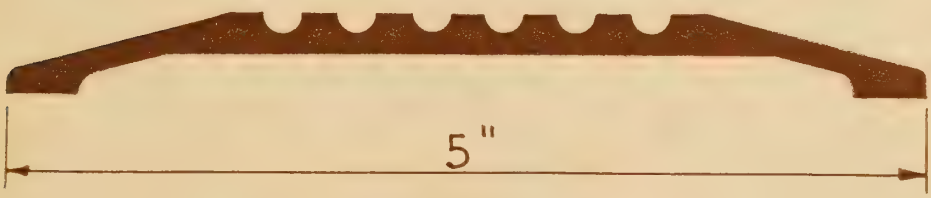
KICK PLATES AND PUSH PLATES

Made of .050 brass or bronze. Cut with square edges. Holes are drilled and screws furnished. Beveled edges, at extra cost. These plates can also be ornamented, designs shown on pages 20 and 21. Kick Plates, standard widths are 8-10-12-14 and 16 inches, can be supplied in any length desired. Plates are furnished in BRASS unless otherwise specified.

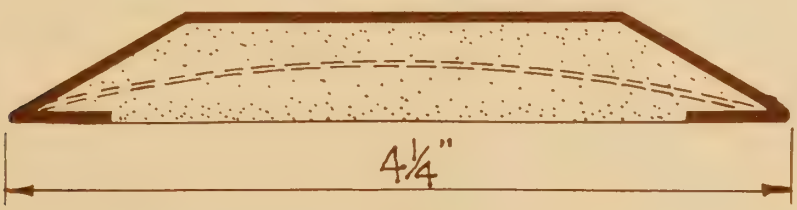
THRESHOLD



No. 86



No. 87



No. 88

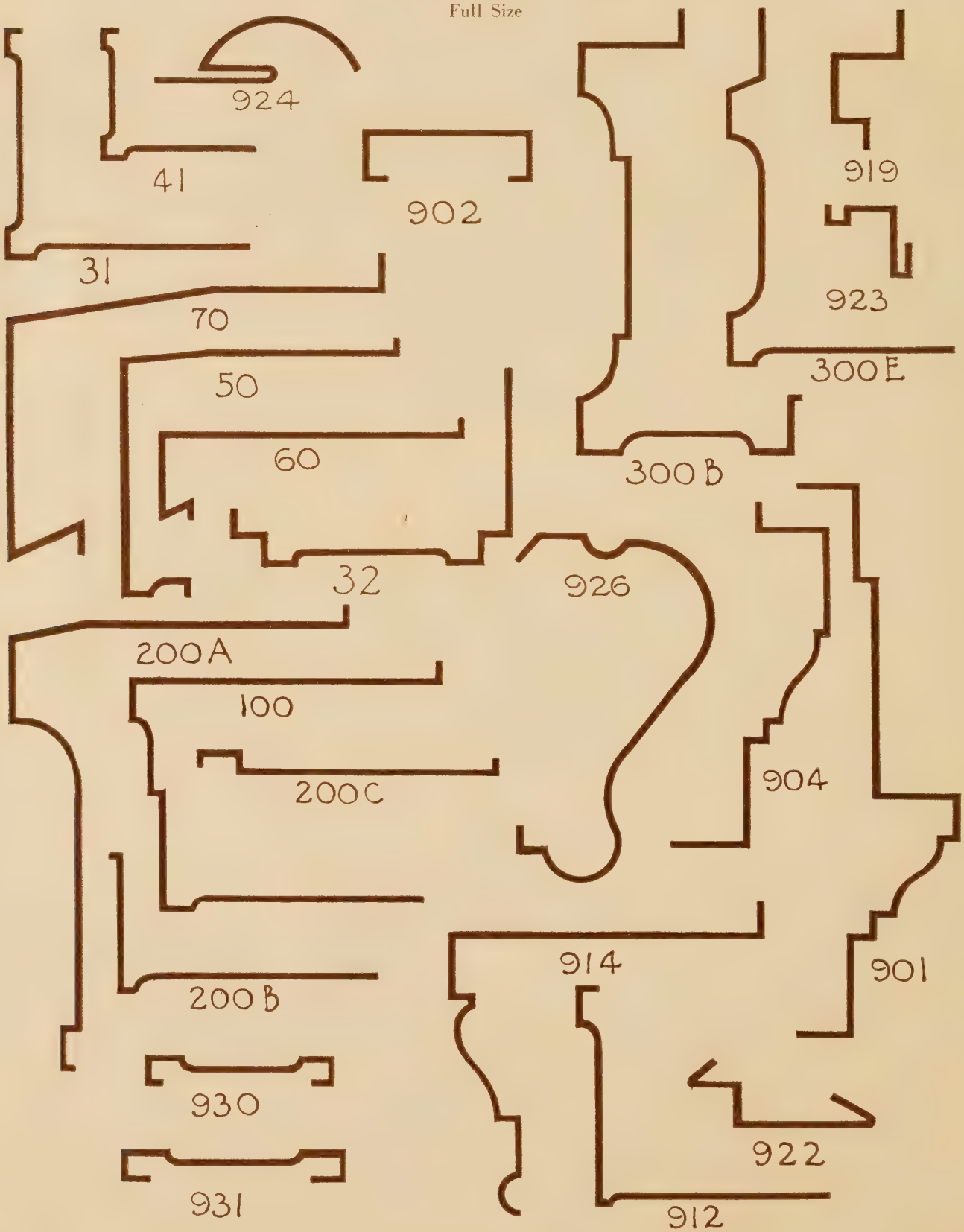
THRESHOLDS

Extruded Brass No. 86 and 87. No. 86 and No. 88 accommodate a 2½" door, while for larger doors No. 87 should be used. Thresholds cut to any length ordered, with holes drilled and screws furnished.

No. 88 Heavy Cold Rolled Brass, filled with fiber plaster reinforcement.

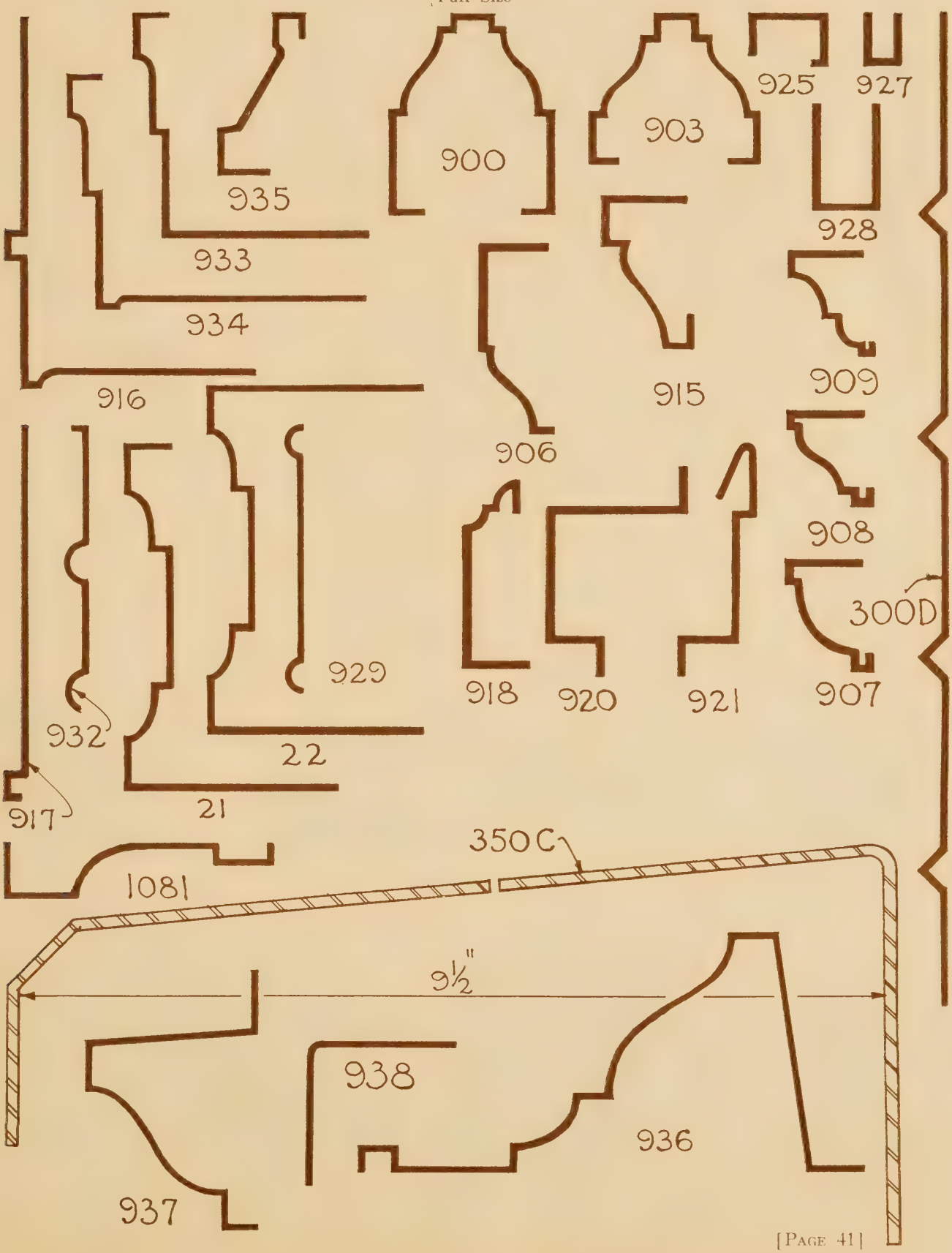
STOCK MOULDS

Full Size

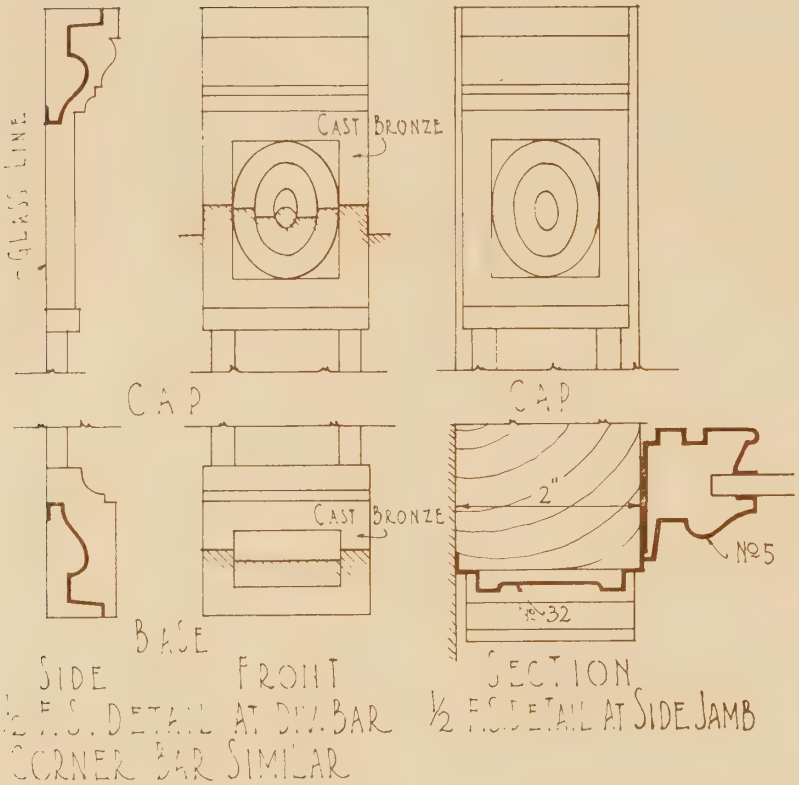


STOCK MOULDS

Full Size



CAPS

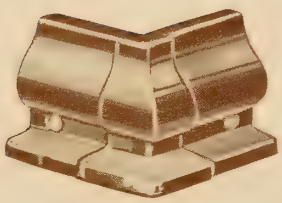


Cast Cap No. 3008
Cast Base No. 3009

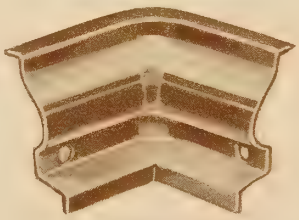
We show to the left type of Ornamental Cast Bronze Caps and Bases, which can be used in connection with our stock Jambs, Division Bars and Corner Bars, replacing the pressed cap generally used.

These caps and bases materially add to the general effect of a store front, giving it an appearance of strength and solidity. This improvement can be added without extraordinary increase in cost.

STAMPED CAPS

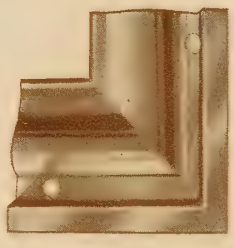


No. 5. Horizontal

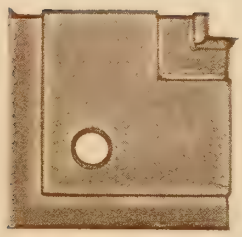


No. 5. Reverse Horizontal

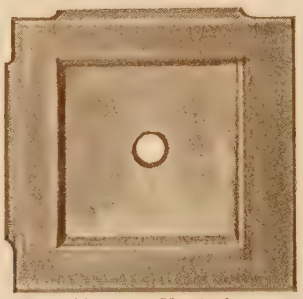
No. 5. Splice



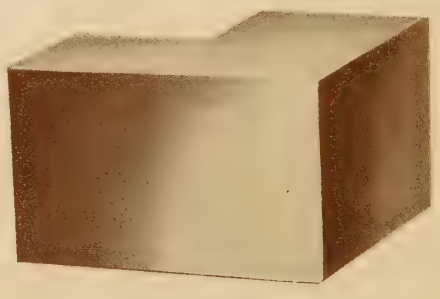
No. 5. Vertical



No. 41. Vertical



No. 31. Vertical



No. 50. Sill Horizontal

REINFORCEMENTS

HERE will be found a reproduction of our reinforcements which have been fully described on page 16. They are made of very heavy material and can be used in connection with any bar we list. These reinforcements can easily be applied to bars either when originally installed, or can be added later without disturbing the original installation. "A" serves for ordinary plates, while for larger plates the addition of "B" is required. For emergency cases, two "A" members and one "B" member can be used very satisfactory. "D" member is made in .109 material and can also be used in connection with "A"

Reinforcements used in back of "A" have OUR separating extension bolts inserted at 10 inch intervals, thus securing proper fabrication, without bringing pressure on the glass.

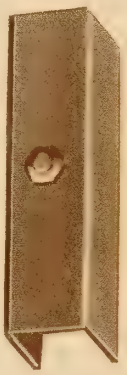
Reinforcements, "A, B, or D," can be furnished in:

STEEL, coated both inside and out with rust proof enamel.

STEEL, covered with solid copper.

Solid BRONZE.

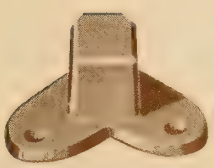
Combinations can be used to make the strongest reinforced bars on the market.



"A" REINFORCING

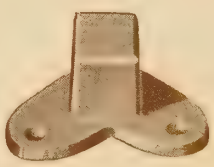
"D" REINFORCING

"B" REINFORCING

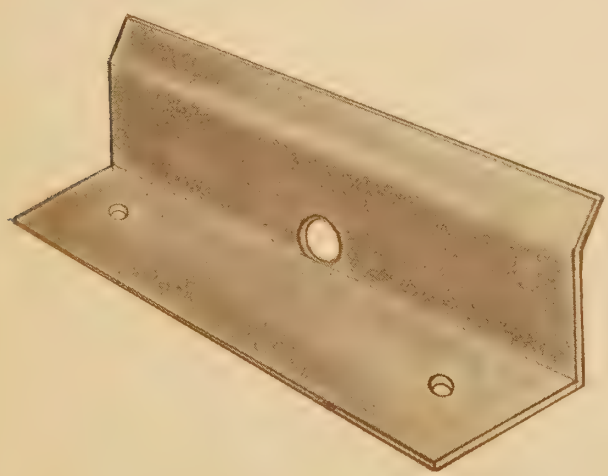


"A" Anchor
Where 2 "A" Reinforcements are Used.

"C" Anchor
For Back Member of Corner and Division Bars.



"B" Anchor
For "B & D" Reinforcements.

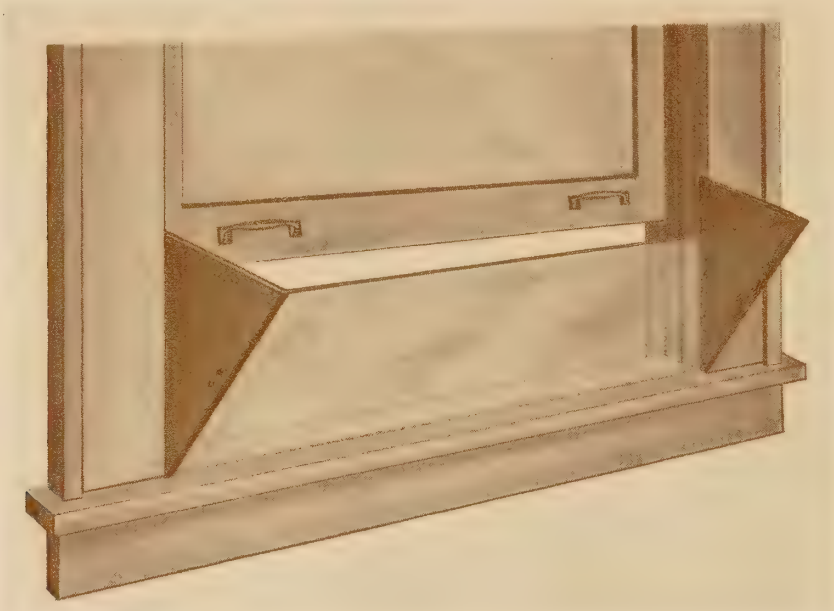


No. 6 Solid Bronze Reinforcing Bracket which can be inserted into our No. 5 sash making No. 7 self-supporting sash, used for extremely large lights of plate glass.

WINDOW VENTILATOR BRACKETS

An inexpensive device that provides fresh air without draft. Easily attached to the window jambs as shown, and glass or other material is then inserted. The air is then deflected upward, and even in case of rain window can be left partially open. The glass is held in place by a spring clip adjustable to glass of any thickness.

Standard size 6½"x11". Screws furnished, and boxed.



Made in—STEEL, Maroon or White finish.

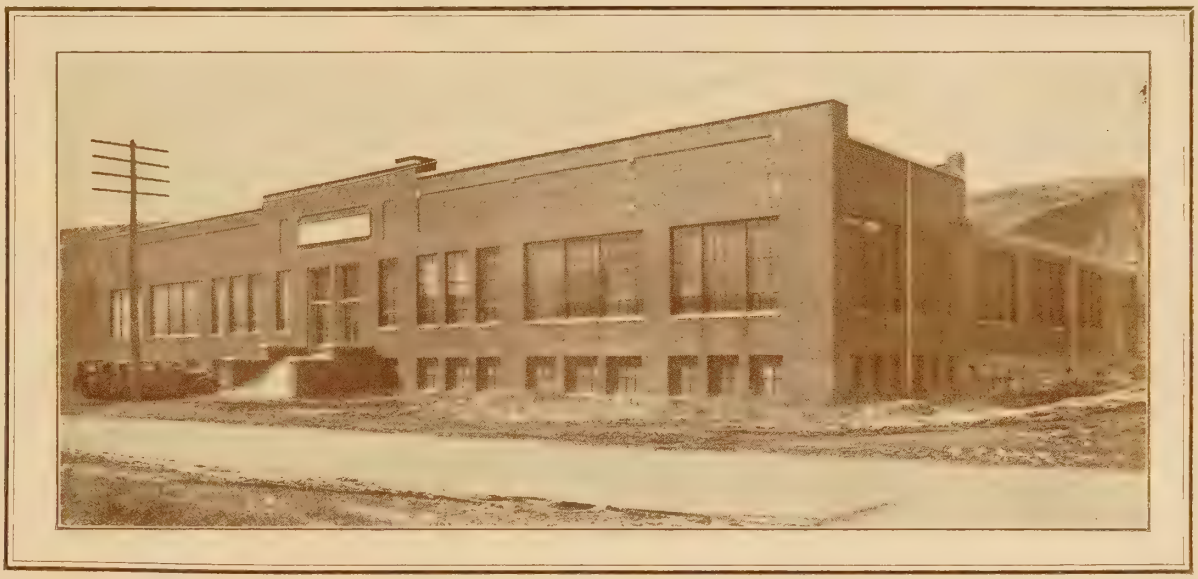
Solid Bronze, Brush finish.

Special finishes when required.

SUGGESTIONS FOR CARE OF FINISH

Natural copper. Polish the metal with any good metal polish at least six times, and then let the copper turn naturally. This will bring out the colors evenly, when it will only be necessary to go over the metal occasionally with a soft cloth and very light oil to remove stains.

Statuary copper, Satin and Statuary bronze. Do not use metal polish, but go over the metal with a soft cloth moist with very light oil. This takes off stains and lets the finish remain on the metal. This oil rub will brighten up the colors and will help considerably to retain the satin and statuary finish.



MODERN FACTORY
SIOUX METAL PRODUCTS COMPANY
25,000 Square Feet Floor Space

\+ \+ \+

ARCHITECTS AND CONTRACTORS

We have a modern factory, equipped with the latest improved machinery and are in position to make the highest standard of store front construction, giving you the best kind of service.

NULOCK-SYSTEM

Furnished in the following finishes:

COPPER

F1 Natural, furnished unless specified otherwise
F2 Polished and Lacquered
F3 Light Statuary
F4 Medium Statuary
F5 Dark Statuary
F6 Gun Metal
F7 Spotted Oxidized
F8 Peacock
F9 Verde Antique

BRONZE, Lacquered

F11 Brushed, furnished unless specified otherwise
F12 Satin
F13 Light Statuary
F15 Dark Statuary
F16 Gun Metal
F17 Spotted Oxidized
F18 Peacock

It is our policy to distribute Nulock Fronts exclusively through Glass Jobbers, and to give each Jobber co-operation in such distribution.

THERE IS A NULOCK STORE FRONT REPRESENTATIVE NEAR YOU.
WRITE US FOR HIS ADDRESS.

SIOUX METAL PRODUCTS COMPANY

3000 Floyd Ave., Sioux City, Iowa